

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ F ☒ X WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED APRIL 24, 1996

LAND: FEE & PATENTED FEE STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: MAY 16, 1996

SPUDDED IN: 10/12/96

COMPLETED: 11/18/96 PDW PUT TO PRODUCING:

INITIAL PRODUCTION: 60 Bbl 47 mcf 23 Bbl

GRAVITY A.P.I.

GOR: .783

PRODUCING ZONES: 5370-6236' ARR V

TOTAL DEPTH: 6350'

WELL ELEVATION: 5208' GR

DATE ABANDONED:

FIELD: TREATY BOUNDARY

UNIT:

COUNTY: DUCHESNE

WELL NO. BOUNDARY 7-21

API NO. 43-013-31640

LOCATION 1974 FNL FT. FROM (N) (S) LINE. 2111 FEL

FT. FROM (E) (W) LINE. SE NE

1/4 - 1/4 SEC. 21

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
<i>Golden Gulch MRR 4574</i>	Dakota	Park City	McCracken
<i>POINT 3 MRR 4855</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>X MRR 5084</i>	Cedar Mountain	Supai	Simonson Dolomite
<i>Y MRR 5120</i>	Buckhorn	Wolfcamp	Sevy Dolomite
<i>Douglas Creek 5254</i>	JURASSIC	CARBON I FEROUS	North Point
<i>Binarb MRR 5524</i>	Morrison	Pennsylvanian	SILURIAN
<i>Shinarump 5720</i>	Salt Wash	Oquirrh	Laketown Dolomite
<i>Carbon 6 Limestone 5720</i>	San Rafael Gr.	Weber	ORDOVICIAN
<i>Carbon CSTR PK 6102</i>	Summerville	Morgan	Eureka Quartzite
<i>Elbert 6102</i>	Bluff Sandstone	Hermosa	Pogonip Limestone
North Horn	Curtis		CAMBRIAN
Almy	Entrada	Pardox	Lynch
Paleocene	Moab Tongue	Ismay	Bowman
Current Creek	Carmel	Desert Creek	Tapeats
North Horn	Glen Canyon Gr.	Akah	Ophir
CRETACEOUS	Navajo	Barker Creek	Tintic
Montana	Kayenta		PRE - CAMBRIAN
Mesaverde	Wingate	Cane Creek	
Price River	TRIASSIC		
Blackhawk			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl+2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.

24. Brad Mechem *Brad Mechem* DIV. OF OIL, GAS & MINING Title: Operations Manager Date: 4/17/96

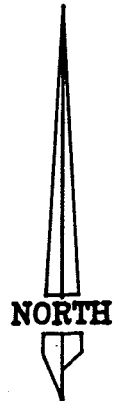
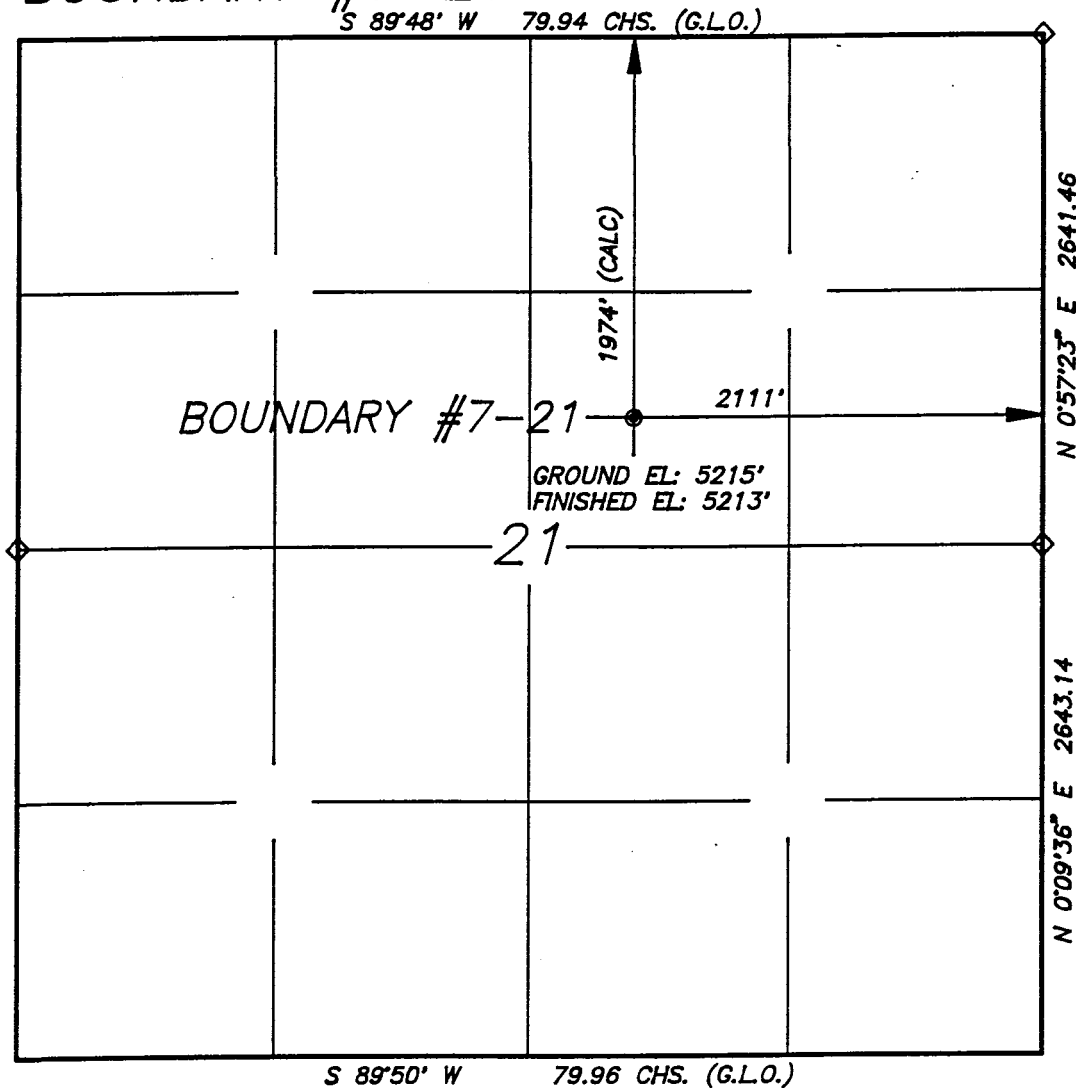
API Number Assigned: 43-013-31640

Approval:

5/16/96

INLAND PRODUCTION CO. WELL LOCATION PLAT BOUNDARY #7-21

LOCATED IN THE SW1/4 OF THE NE1/4
SECTION 21, T8S, R17E, S.L.B.&M.

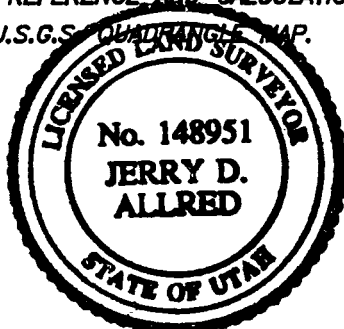


SCALE: 1" = 1000'

LEGEND AND NOTES

- ◇ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.



14 FEB 1996

84-121-048

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

Jerry D. Allred
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESTER, UTAH 84021
(801)-738-5352

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial Number: L. Clark Roberts and Barbara Roberts	
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name:	
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name:	
2. Name of Operator: Inland Production Company		8. Farm or Lease Name: Boundary	
3. Address and Telephone Number: P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103		9. Well Number: #7-21	
4. Location of Well (Footages) At Surface: SE/NE At Proposed Producing Zone: 1974' FNL & 2111' FEL		10. Field and Pool, or Wildcat: 11. Ctr./Qtr, Section, Township, Range, Meridian: SE/NE Sec. 21, T8S, R17E	
14. Distance in miles and direction from nearest town or post office: 9.3 miles southeast of Myton, Utah		12. County: Duchesne	
15. Distance to nearest property or lease line (feet): 1974'		16. Number of acres in lease: 160	
17. Number of acres assigned to this well: 40		18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): 1646'	
19. Proposed Depth: 6500'		20. Rotary or cable tools: Rotary	
21. Elevations (show whether DF, RT, GR, etc.): 5208' GR		22. Approximate date work will start: 2nd quarter 1996	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl+2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.

24.

Name & Signature: Brad Mechem *Brad Mechem* Title: Operations Manager Date: 4/17/96

(This space for State use only)

API Number Assigned: 43-013-31640

Approval:

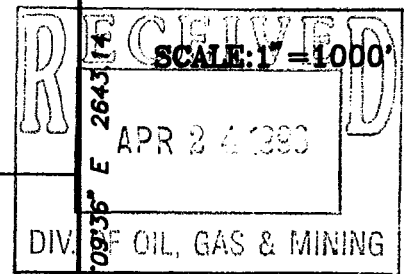
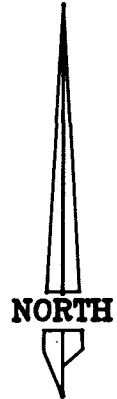
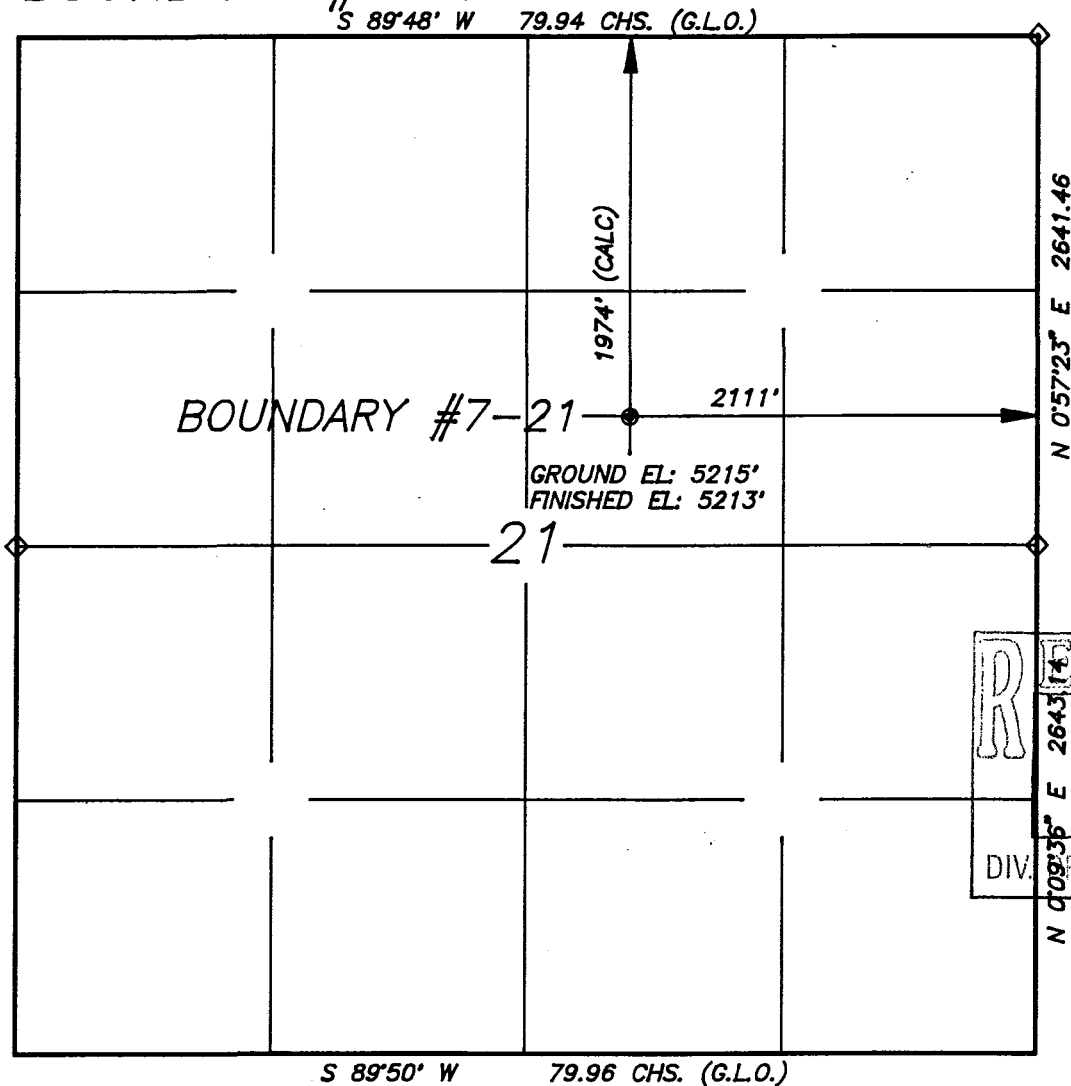
Matthews

Petroleum Engineer

5/16/96

INLAND PRODUCTION CO. WELL LOCATION PLAT BOUNDARY #7-21

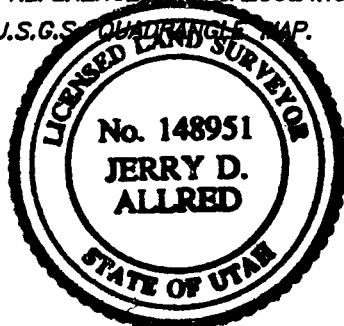
LOCATED IN THE SW1/4 OF THE NE1/4
SECTION 21, T8S, R17E, S.L.B.&M.



LEGEND AND NOTES

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SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

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14 FEB 1996

84-121-048

JOHNSON WATER DISTRICT
R.R. 3 BOX 3188
ROOSEVELT, UT 84066
TELEPHONE (801) 722-2620

February 16, 1996

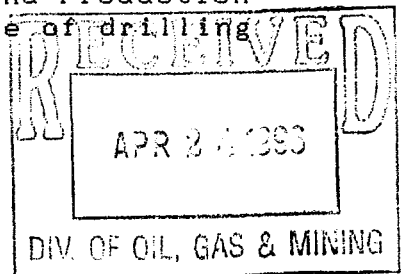
TO WHOM IT MAY CONCERN:

Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

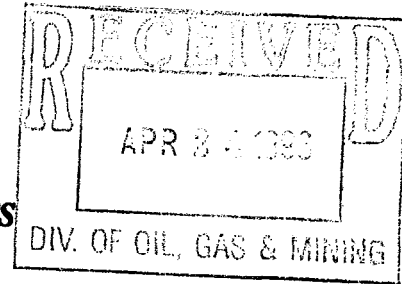
Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Boundry 7-21.

Sincerely,

Karen Ashby
Karen Ashby,
Secretary



**BOUNDARY #7-21
SW/NE SECTION 21, T8S, R17E
DUCHESNE COUNTY, UTAH
L. CLARK ROBERTS AND WIFE, BARBARA ROBERTS**



HAZARDOUS MATERIAL DECLARATION

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

INLAND PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

**INLAND PRODUCTION COMPANY
BOUNDARY #7-21
SW/NE SECTION 21, T8S, R17E
DUCHESNE COUNTY, UTAH**

TEN POINT WELL PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 3030' 6500' - Oil

4. PROPOSED CASING PROGRAM

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)
5 1/2", K-55, 15.5# w/ LT&C collars; set at TD (New)

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be checked daily.

(See Exhibit F)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3030' \pm , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight @ 8.4 ppg, weighted as necessary for gas control.

BOUNDARY #7-21

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top. The use of mudloggers to be determined at a later date.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H₂S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence in June 1996, and take approximately seven (7) days to drill.

**INLAND PRODUCTION COMPANY
BOUNDARY #7-21
SW/NE SECTION 21, T8S, R17E
DUCHESNE COUNTY, UTAH**

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Boundary #7-21 located in the SW 1/4 NE 1/4 Section 21, T8S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles to the junction of this highway and Utah State Highway 53, proceed southerly along Utah State Highway 53 - 6.8 miles to its junction with an existing dirt road to the east, proceed easterly along this road 2.5 miles to its intersection with the beginning of the proposed access road to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 53 meets the existing dirt road, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by county crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the center of Section 21, T8S, R17E, S.L.B. & M. and proceeds in a northeasterly direction approximately 1000' to the proposed location.

The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 2%.

BOUNDARY #7-21

There will no culverts required along this access road. There will no water turnouts constructed along this road.

There are no fence's encountered along this proposed road. There will be no gate and no new cattle guard required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

There are five (5) producing and two (2) shut in Inland Production wells, one (1) P&A, unknown well, and one (1) producing Balcron well within a one-mile radius of this location site. See Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery. The integrity of the dike will be maintained.

Tank batteries will be placed on a per Sundry Notice if the well is completed as a producer.

5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well will be transported by truck from our pre-approved Inland Production Company fresh water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E) location as indicated on Topographic Map -Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

BOUNDARY #7-21

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A small reserve pit will be constructed from native soil and clay materials. However, in a departure from conventional oilfield practice, the volume and duration of fluid occupying this it will be minimal. By applying currently available technology, a water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. Furthermore, all drilling fluids will be fresh water based, typically containing Total dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood supply, for reinjection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the south between stakes 4 & 5.

There will be no flare pit on this location.

The stockpiled topsoil (first six (6) inches) will be stored on the north side between stakes 1 & 8.

Access to the well pad will be on the northwest corner, between stakes 7 & 8.

BOUNDARY #7-21

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

- a) *Producing Location*

In agreement with surface owner.

11. SURFACE OWNERSHIP - Private

BOUNDARY #7-21

12. OTHER ADDITIONAL INFORMATION

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On private administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.

The Archaeological Report Waiver will be submitted, as soon as it becomes available.

Additional Surface Stipulations

A silt catchment dam will not be constructed.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 24 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative:

Name: Brad Mecham

Address: P.O. Box 1446 Roosevelt, Utah 84066

Telephone: (801) 722-5103

Certification:

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #7-21 SW/NE Section 21, Township 8S, Range 17E; Lease: L. Clarke Roberts/ Barbara Roberts, Duchesne County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4-22-96

Date

Brad Mecham

Brad Mecham
Operations Manager

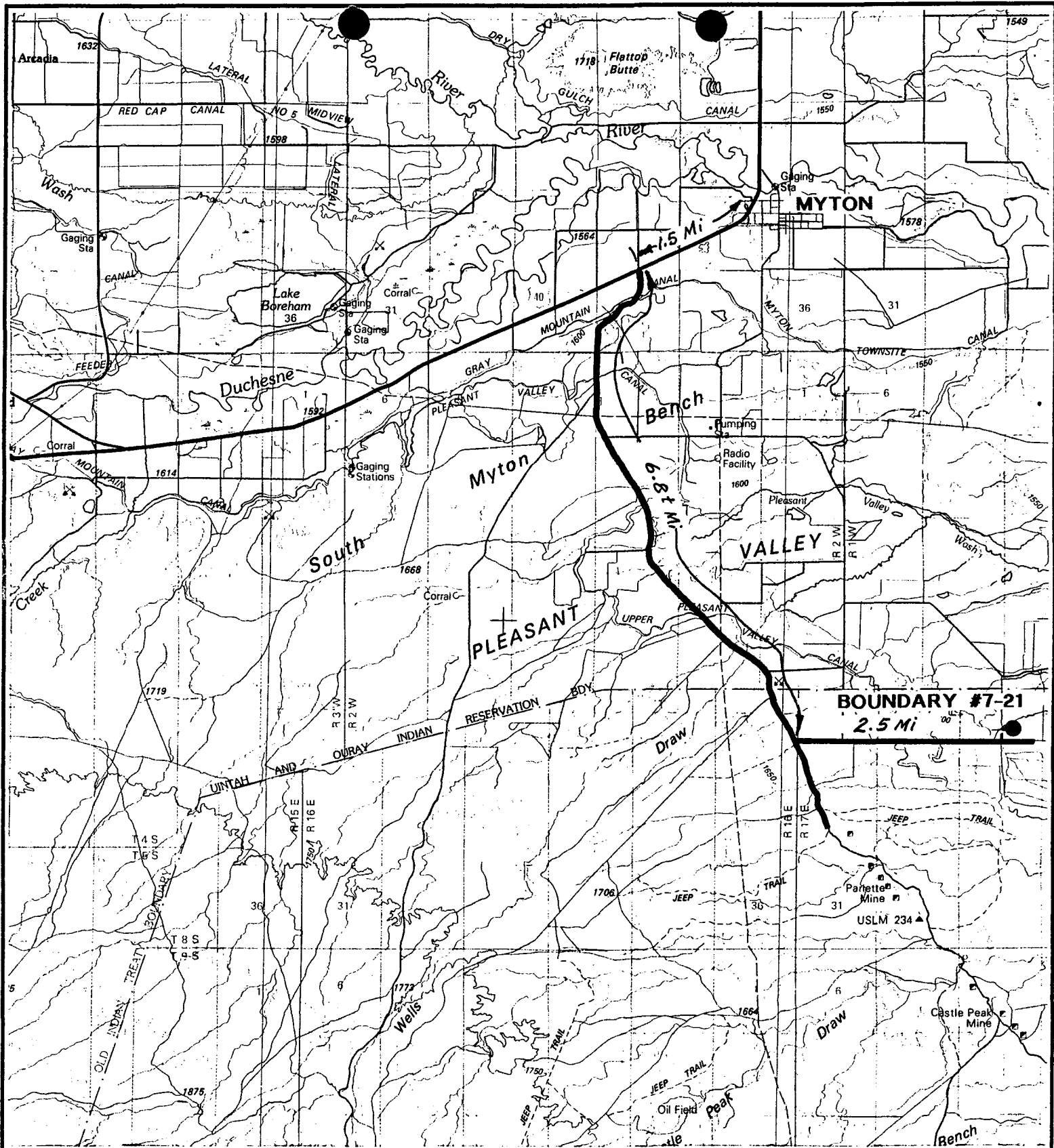


EXHIBIT C

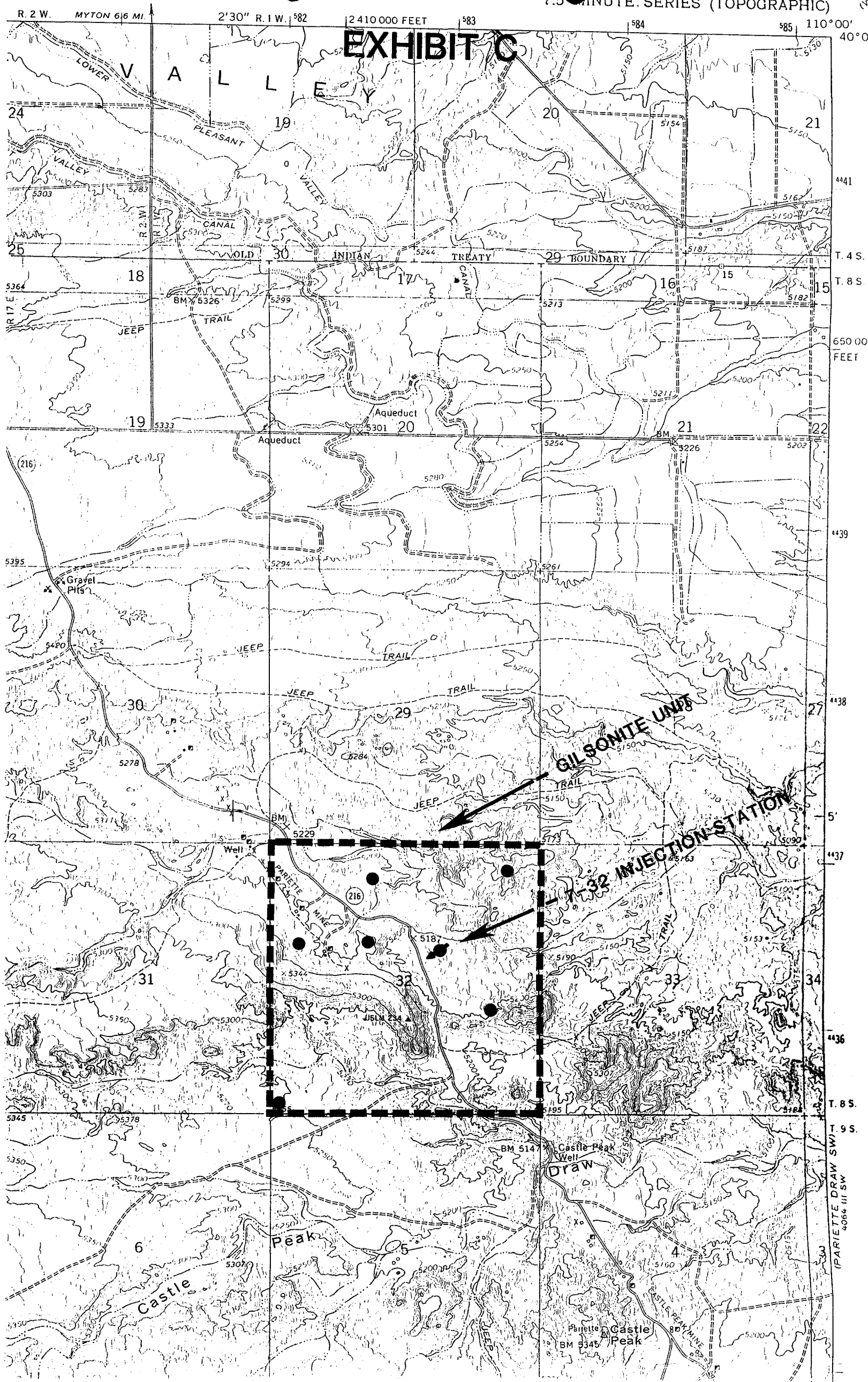
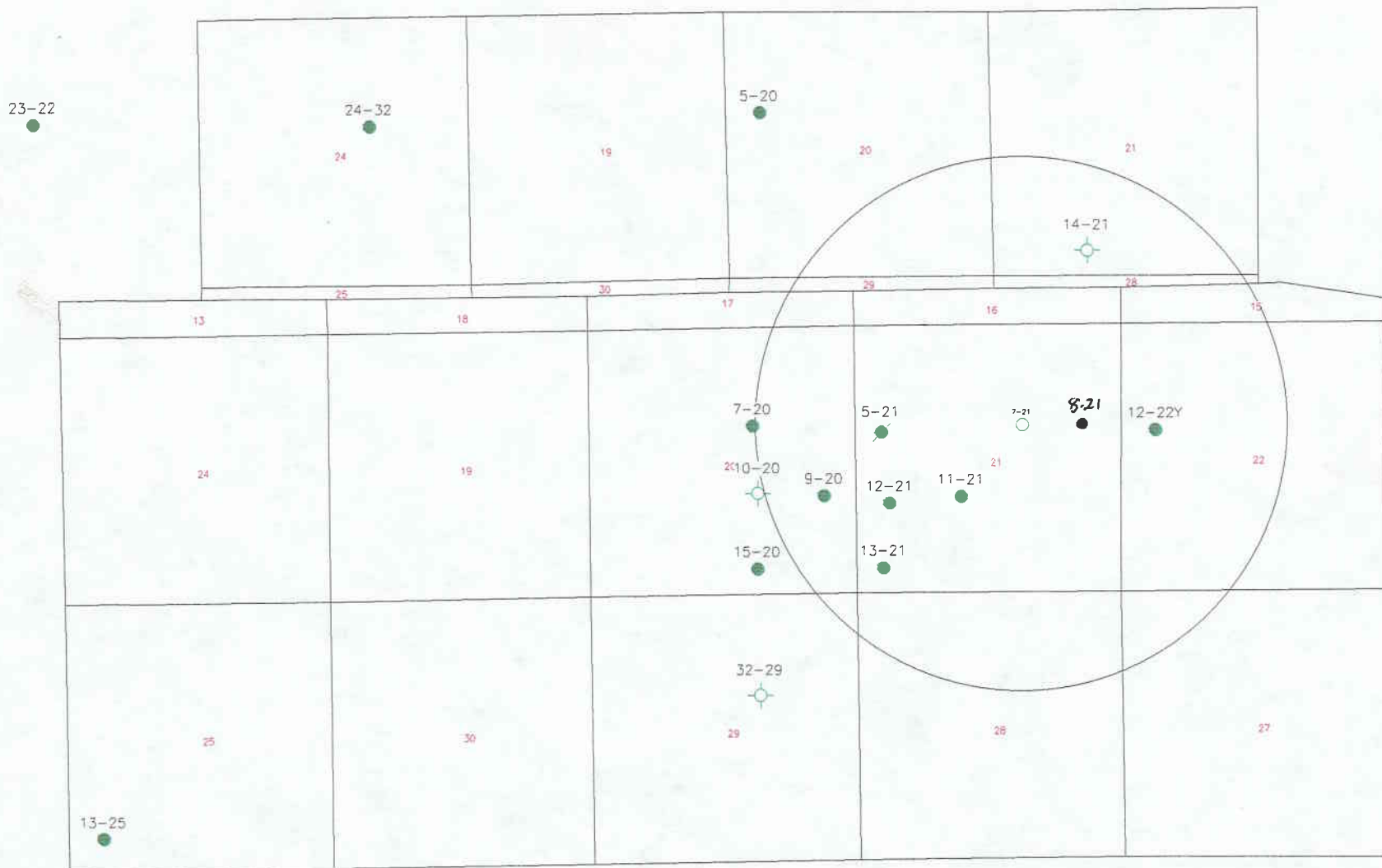


EXHIBIT "D"



475 17th Street Suite 1500
Denver, Colorado 80202
Phone: (303)-292-0900

Boundary Federal #7-21
One Mile Radius
Duchesne County, Utah

Date: 2-13-96

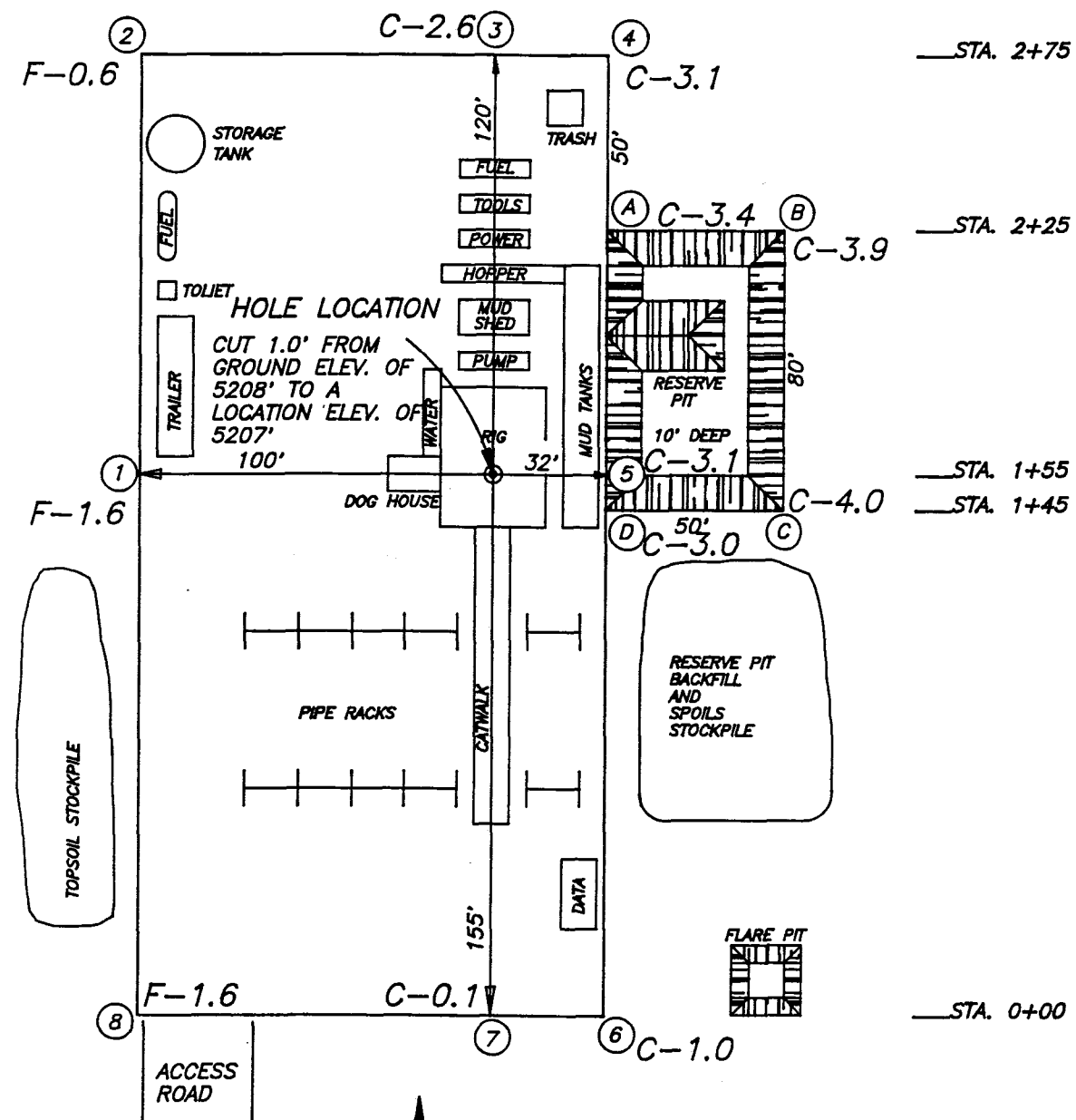
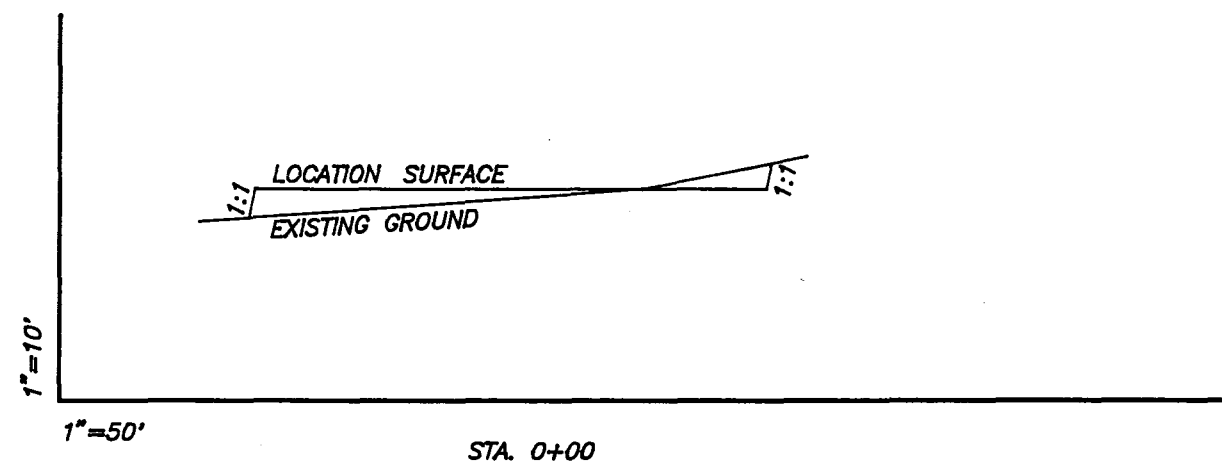
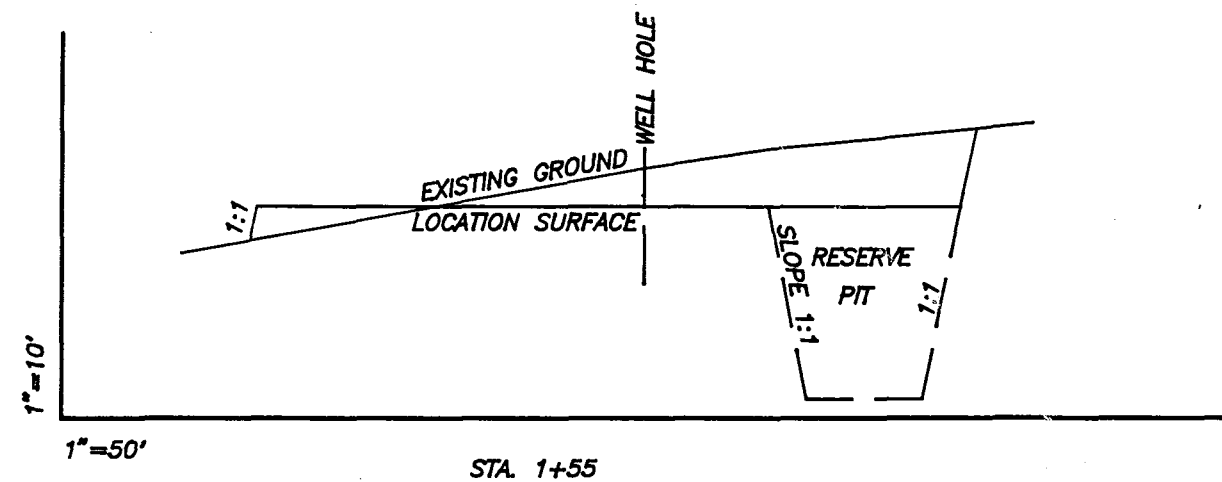
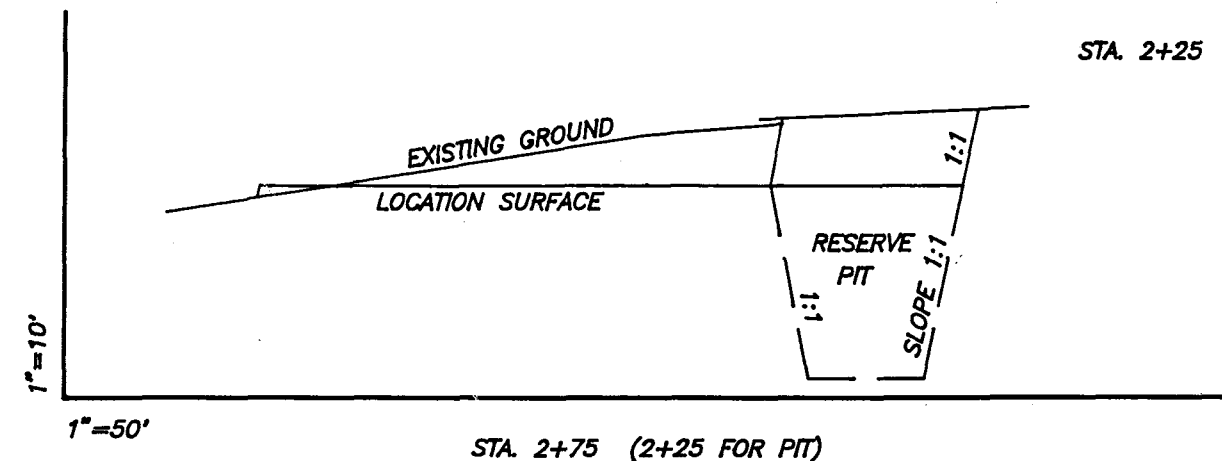
D.G.



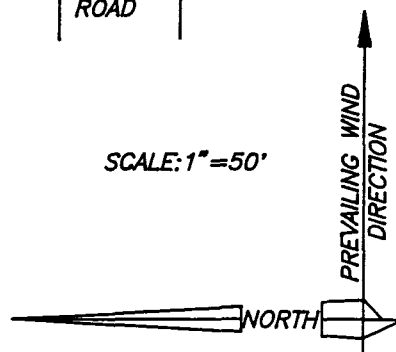
INLAND PRODUCTION CO.
WELL LAYOUT PLAT
BOUNDARY #7-21

LOCATED IN THE SW1/4 OF THE NE1/4 OF SECTION 21,
TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.B.&M.

STA. 2+25

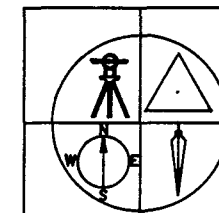


SCALE: 1"=50'



APPROXIMATE QUANTITIES

CUT: 2900 CU. YDS. (INCLUDES PIT)
FILL: 600 CU. YDS.



JERRY D. ALLRED AND ASSOCIATES
Surveying and Engineering Consultants

121 NORTH CENTER STREET
P.O. BOX 975
DUCHESNE, UTAH 84021
(801) 738-5352

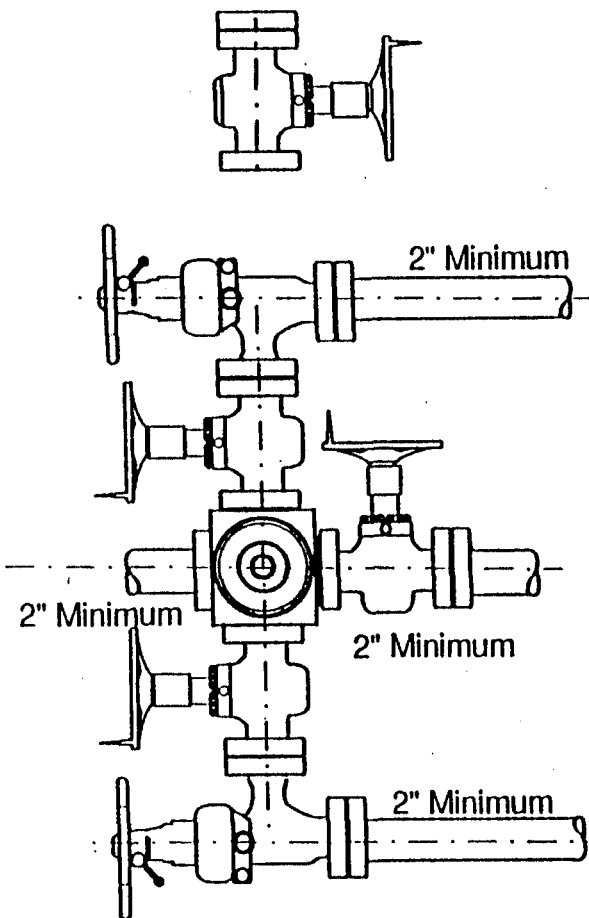
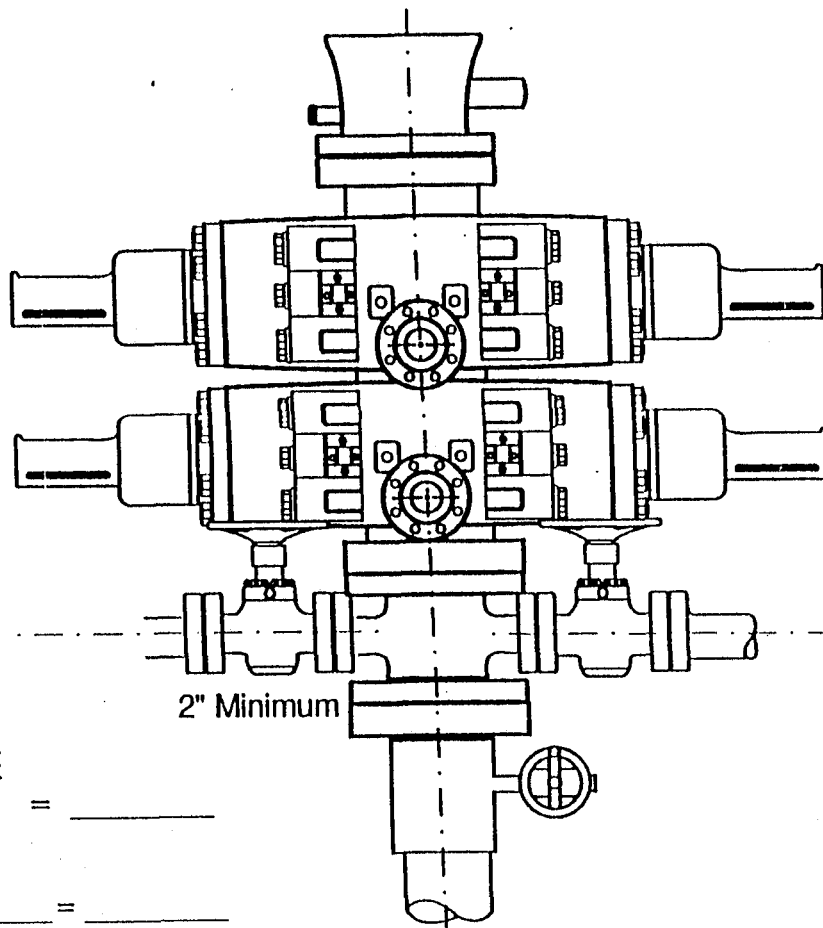
15 FEBRUARY 1996

84-121-048

RAM TYPE B.O.P.
 Make:
 Size:
 Model:

2-M SYSTEM

EXHIBIT F



GAL TO CLOSE

Annular BOP = _____

Ramtype BOP

_____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
 increment of 10 gal. would require

_____ Gal. (total fluid & nitro volume)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/24/96

API NO. ASSIGNED: 43-013-31640

WELL NAME: BOUNDARY 7-21
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:
SENE 21 - T08S - R17E
SURFACE: 1974-FNL-2111-FEL
BOTTOM: 1974-FNL-2111-FEL
DUCHESNE COUNTY
TREATY BOUNDARY FIELD (130)

LEASE TYPE: FEE
LEASE NUMBER: ROBERTS

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: 05/10/96

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 4488944)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number INJECTION WELL 7-32)
☒ RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

____ R649-2-3. Unit: _____
☒ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: INLAND PRODUCTION CO	Well Name: BOUNDARY 7-21
Project ID: 43-013-31640	Location: SEC. 21 - T08S - R17E

Design Parameters:

Mud weight (8.40 ppg) : 0.436 psi/ft
 Shut in surface pressure : 2429 psi
 Internal gradient (burst) : 0.063 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

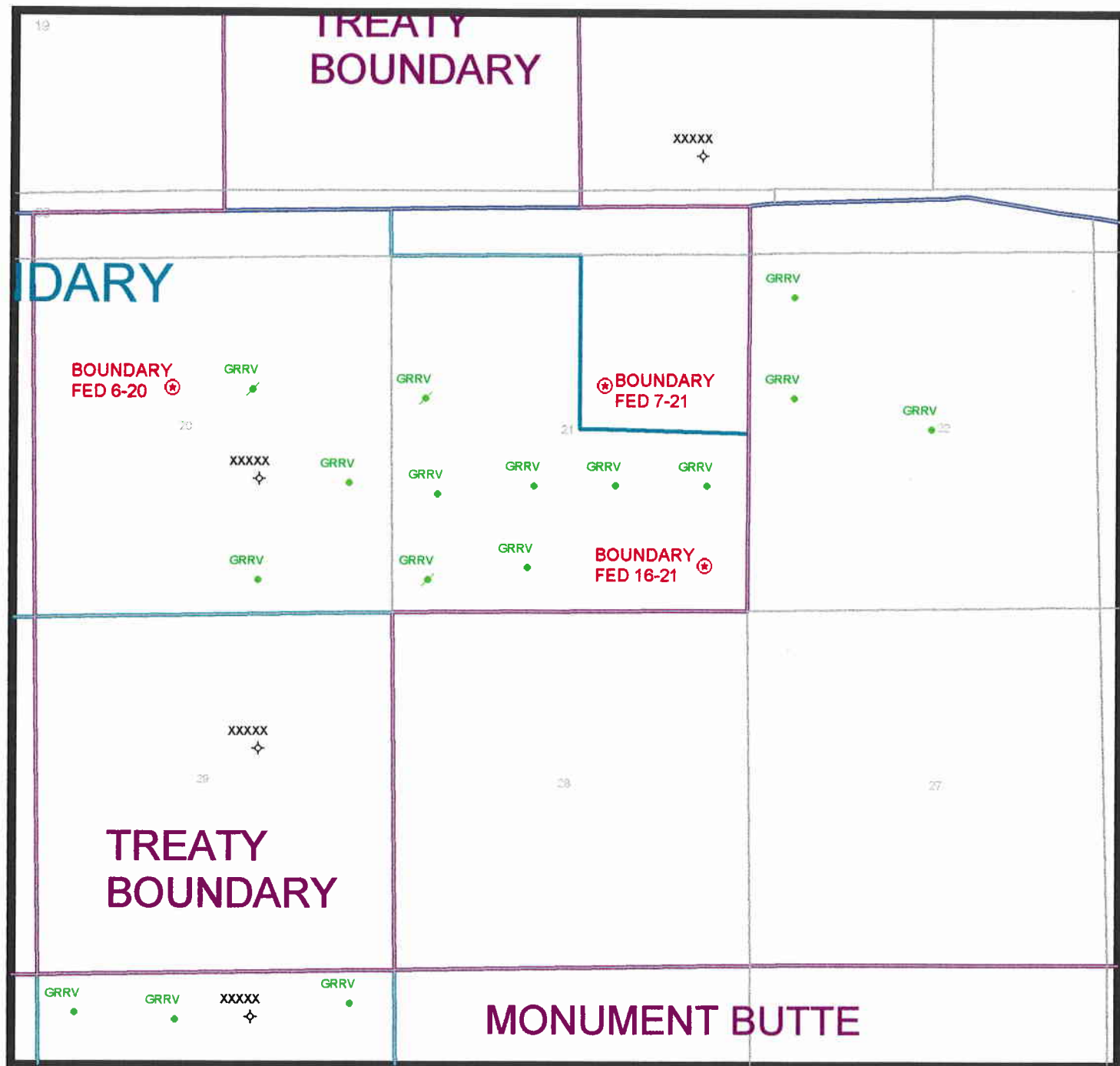
Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,500	5.500	15.50	K-55	LT&C	6,500	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)			
1	2836	4040	1.425	2836	4810	1.70	100.75	239	2.37 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 05-16-1996
 Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas
 temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 The mud gradient and bottom hole pressures (for burst) are 0.436 psi/ft and
 2,836 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general
 guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with
 evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension,
 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension
 was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility
 for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

INLAND PRODUCTION DEVELOPMENT DRILLING SEC. 21, T8S, R17E DUCHESNE, COUNTY R649-3-2



PREPARED:
DATE: 30-APR-96

DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator: Inland Production Company

Well Name & Number: Boundary #7-21

API Number: 43-013-31640

Location: 1/4, 1/4 SW/NE Sec. 21 T. 8s R. 17E

Geology/Ground Water:

Ground water may be encountered in the first 300 feet in shallow sands of the Uinta Formation. Additionally water may be encountered in sands from 800 feet down through 3500 feet. An application to convert the Boundary Fed. 13-21 well located in the sw/sw of sec. 21 to a water supply well has been submitted. It has been proposed to perforate this well at approximately 800 feet and 3400 feet to recover water for injection purposes. In light of this proposal it is recommended that cement be circulated to surface when setting the production casing on the 7-21 well.

Reviewer: D. Jarvis Date: 5-16-96

Surface:

The pre-site investigation of the surface has been performed by Roosevelt Field personnel. All applicable surface management agencies and landowners were notified and their concerns accommodated where reasonable and possible. Clark Roberts, the landowner, had been to the site with Brad Mecham on a previous visit. Mecham explained that a landowner agreement had been reached.

Reviewer: Dennis L. Ingram Date: 5/8/96

Conditions of Approval/Application for Permit to Drill:

1. The reserve pit for this well will be lined with a 12 mil liner.
2. Cement on the (5 1/2) casing will be circulated to the bottom of the 8 5/8 casing or placed in such a manner so as to assure that the cement will remain at or above the shoe of the 8 5/8.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Inland Production Company

WELL NAME & NUMBER: Boundary (Fee) #7-21

API NUMBER: 43-013-31640

LEASE: L. Clark Roberts FIELD/UNIT: Treaty Boundary

LOCATION: 1/4, 1/4 SW/NE Sec: 21 TWP: 8S RNG: 17E 1974 FNL 2111 FEL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 584472E; 4439693N

SURFACE OWNER: Clark and Barbara Roberts

PARTICIPANTS

Brad Mecham (Inland Production Company); Dennis L. Ingram (DOGM);

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Set on table top bench lands in Pleasant Valley along Ouray Indian Reservation boundary. Location and access road are contained in an alfalfa field which is presently growing crop. A sprinkler system is utilized to water same. A wash, running in a northeasterly fashion, is located approximately 300 feet away, and somewhat downhill. Willows and brush were present.

SURFACE USE PLAN

CURRENT SURFACE USE: Crop field with alfalfa present.

PROPOSED SURFACE DISTURBANCE: Access road will enter from the southwest and extend for approximately 1000 feet by 18'. The location should utilize a space of approximately 182'x 275'.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 8-21, 12-22Y, 11-21 12-22Y, 5-21, 12-21, 13-21, 9-20, 7-20.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All lease equipment will be contained on location. A plastic sales and residue gas line will follow the road on the surface.

SOURCE OF CONSTRUCTION MATERIAL: Native or borrowed soil.

ANCILLARY FACILITIES: Pump jack and motor, production and water tanks, heater/treater and surface flowline equipment.

WASTE MANAGEMENT PLAN:

The plan submitted with the APD appears to be sufficient for this well site

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Adjacent wetlands or wash with vegetation indicating water presence.

FLORA/FAUNA: Alfalfa on and around proposed site. Fauna is typical of animals found on rural farmlands: coyotes, fox, rabbits, pheasant.

SOIL TYPE AND CHARACTERISTICS: Sandy loam with some clay.

SURFACE FORMATION & CHARACTERISTICS: Uinta formation of Upper Eocene Age.

EROSION/SEDIMENTATION/STABILITY: Cultivated field. minor erosion and slump potential along wash, but ground is stable around location.

PALEONTOLOGICAL POTENTIAL: None

RESERVE PIT

CHARACTERISTICS: 50'x 80'x 10' cut in field.

LINER REQUIREMENTS (Site Ranking Form attached): 56 points, pit liner required, 12 mil or more.

SURFACE RESTORATION/RECLAMATION PLAN

According to landowner agreement.

SURFACE AGREEMENT: According to Mecham

CULTURAL RESOURCES/ARCHAEOLOGY: None

OTHER OBSERVATIONS/COMMENTS

Clark Roberts was not present on onsite meeting. However, Brad Mecham told me that he and Clark had been out and reached an agreement (I did not personally speak with Mr. Roberts). Adjacent wash with wetland vegetation. Furthermore, water was struck while drilling surface on adjacent lands. Called State Water Rights and spoke with Brad Weber about water well potential. Weber says that their data base shows 5 water wells within a 1 mile radius of proposed drill site.

ATTACHMENTS

Dennis L. Ingram
DOGM REPRESENTATIVE

5/5/96 9:30 am
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

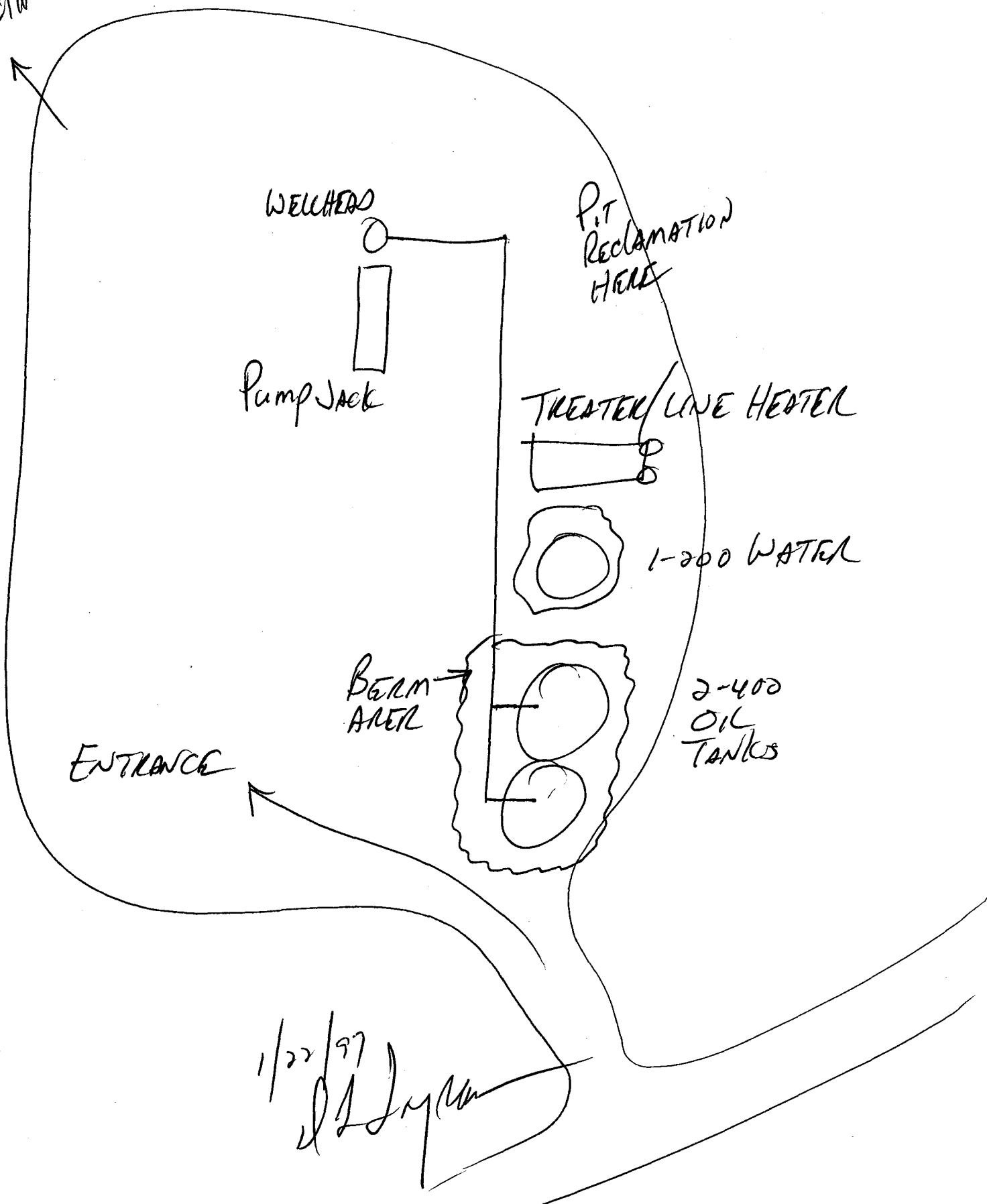
<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200		
75 to 100	5	
25 to 75	10	
<25 or recharge area	15	<u>10 points</u>
	20	
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>10 points</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10 points</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5 points</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0 points</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0 points</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>6 points</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>15 points</u>

Final Score 56 points (Level one sensitivity, pit liner required).

INLAND PRODUCTION Co.
BOUNDARY # 7-21
SEC 21, T8S, R17E
POW

FEE
43-013-316 40

NORTH
↑



1/22/97
J L J



April 26, 1996

*State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Three Triad Center Suite 350
Salt Lake City Utah 84180-1203*

ATTENTION: Mike Hebertson

RE: Boundary Federal #7-21

Dear Mike,

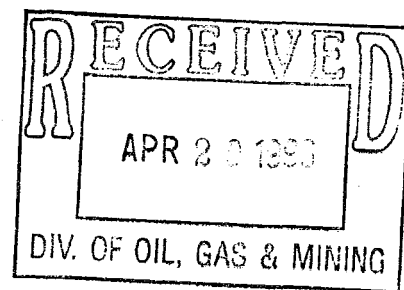
I am faxing you a Sundry Notice and Reports on Wells with the Landowners Name Address, and telephone number, for the Boundary #7-21, per your request, via Dennis Ingram. I will also mail the hard copy.

Please do not hesitate to call me at the Roosevelt office, (801) 722-5103, if you have any questions.

Sincerely,

Cheryl Cameron
Regulatory Compliance Specialist

*/cc
Enclosures*



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

4. Location of Well

SE/NE

Footages:

1974' FNL & 2111' FEL

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

L. Clark Roberts and
Barbara Roberts

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Boundary #7-21

9. API Well Number:

N/A

10. Field and Pool, or Wildcat:

County: Duchesne

State: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Surface Owner</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

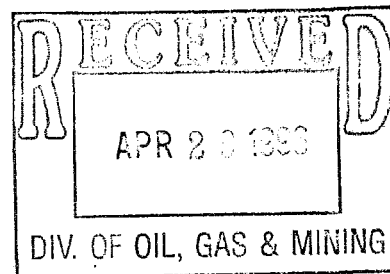
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Surface Owner Name and Address, telephone number per your request, for the above referenced location:

L. Clark Roberts and Barbara Roberts
Rt 3, Box 3675
Myton, Utah 84052
(801) 646-3101



13.

Name & Signature:

Cheryl Cameron

Title: Regulatory Compliance Sp Date: 4/26/96

(This space for State use only)

[Signature]

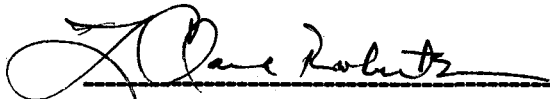
Petroleum Engineer

5/16/96

**BOUNDARY #7-21
SW/NE SEC. 21, T8S, R17E
DUCHESNE COUNTY, UTAH
LEASE # L. Clarke Roberts/Barbara Roberts**

ARCHAEOLOGICAL REPORT WAIVER

For the above referenced location; "Roberts" Individuals is the Private Surface Owners L. Clarke Roberts and Barbara Roberts, representing this entity does agree to waive the request from the Bureau of Land Management for an Archeological/Cultural Survey. This waiver hereby releases Inland Production Company from this request.



**L. Clark Roberts Date
Private Surface Owner**

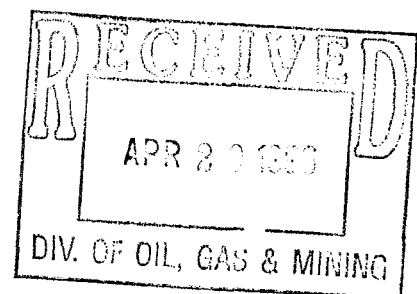


**Barbara Roberts Date
Private Surface Owner**



Brad Mechem Date

Inland Production Company





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 16, 1996

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

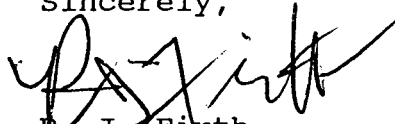
Re: Boundary 7-21 Well, 1974' FNL, 2111' FEL, SE NE,
Sec. 21, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31640.

Sincerely,


R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

WAPD



Operator: Inland Production Company
Well Name & Number: Boundary 7-21
API Number: 43-013-31640
Lease: FEE
Location: SE NE Sec. 21 T. 8 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated May 8, 1996 (copy attached).

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: BOUNDRY 7-21

Api No. 43-013-31640

Section 21 Township 8S Range 17E County DUCHESNE

Drilling Contractor

Rig #:

SPUDDED:

Date: 10/12/96

Time: 10:00 PM

How: DRY HOLE

Drilling will commence:

Reported by: D. INGRAM-DOGM

Telephone #:

Date: 10/15/96 Signed: FRM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
P.O. Box 790233 Vernal, Utah 84079 (801) 789-1866

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SE/NE 1974' FNL & 2111' FEL
Sec. 21, T8S, R17E**

5. Lease Designation and Serial No.

**L. Clark Roberts &
Barbara Roberts**

7. If unit or CA, Agreement Designation

Boundary 7-21

9. API Well No.

43-013-31640

10. Field and Pool, or Exploratory Area

Boundary

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

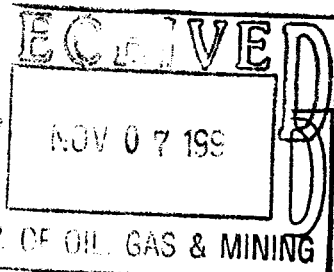
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other Spud Notification	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Drilled 30' of 17 1/2" hole w/ Leon Ross Rathole Rig. Set 30' of 13 3/8" conductor pipe w/ 30 bags cmt. Finished drlg w/ 12 1/4" hole to 305'. Set 284.52' of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx prem + w/ 2% CC & 2% gel + 1/4#/sk flocele & 25 sx prem + w/ 2% CC.

SPUD 10/12/96



14. I hereby certify that the foregoing is true and correct

Signed Cheryl Cameron
Cheryl Cameron

Title

Regulatory Compliance Specialist

Date **10/15/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF MONTANA
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company

OPERATOR ACCT. NO. 11 31641

ADDRESS P.O. Box 790233

Vernal MT 59070

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12025	43-013-31640	Boundary 7-21	SENE	21	3S	17E	Duchesne	10/12/96	10/12/96
WELL 1 COMMENTS: <i>Entities added 11-5-96. Lee</i>											
A	99999	12026	43-013-31611	Monument Butte Federal 13-27	SWSW	27	8S	16E	Duchesne	10/26/96	10/26/96
WELL 2 COMMENTS:											
A	99999	12027	43-013-31669	Monument Butte Federal 4-34 I	NWNW	34	8S	16E	Duchesne	10/16/96	10/16/96
WELL 3 COMMENTS:											
B	99999	10835	43-013-31738	Monument Butte Federal 3A-35	NENW	35	8S	16E	Duchesne	10/29/96	10/29/96
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

Cheryl Cameron
Signature Cheryl Cameron
Regulatory
Compliance Spec.
Title _____ Date _____

Phone No. (801) 789-1866
Fax (801) 789-1877

F A X

.....
• Inland Production Co.
•
•
•
•
•
•
•
•

To: Lysha Cordova
Company:
Fax number: +1 (801) 359-3940
Business phone:

From: Cheryl Cameron
Fax number: +1 (801) 789-1877
Business phone: 801-789-1866
Home phone:

Date & Time: 11/4/96 9:00:10 AM
Pages: 2
Re: Entity Action Form

Lysha,

I am faxing the Entity Action Form 6 for the following locations:

Boundary #7-21
Monument Butte Federal #13-27
Monument Butte Federal #4-34 I
Monument Butte Federal #3A-35

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well



Oil Well



Gas well



Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 790233 Vernal, Utah 84079

(801) 789-1866

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/NE 1974' FNL & 2111' FEL

Sec. 21, T8S, R17E

5. Lease Designation and Serial No.

L. Clark Roberts &

Barbara Roberts

7. If unit or CA, Agreement Designation

8. Well Name and No.

Boundary 7-21

9. API Well No.

43-013-31640

10. Field and Pool, or Exploratory Area

Boundary

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing



Other Weekly Status



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



Conversion to Injection



Dispose Water

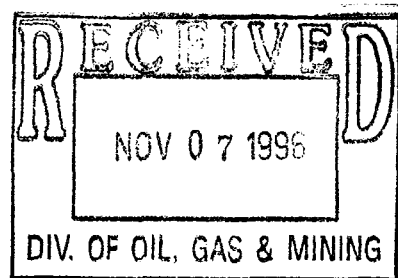
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WEEKLY STATUS REPORT FOR WEEK OF 10/16/96 - 10/21/96:

Drilled 7 7/8" hole from 303'-6350' w/ Caza, Rig #59. Run 6350' KB, of 5 1/2" 15.5# J-55 csg. Cmt w/ 410 sx Hybond & 450 sx Thixo w/ 10% Calseal.

RDMOL



14. I hereby certify that the foregoing is true and correct

Signed

Cheryl Cameron

Title

Regulatory Compliance Specialist

Date **10/25/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

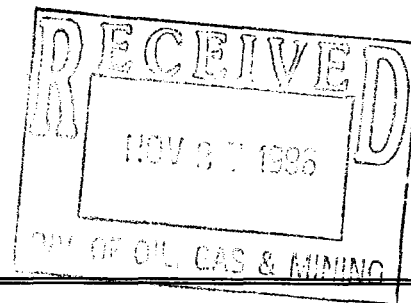
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. L. Clark Roberts & Barbara Roberts
2. Name of Operator Inland Production Company	7. If unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 790233 Vernal, Utah 84079 (801) 789-1866	8. Well Name and No. Boundary 7-21
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE/NE 1974' FNL & 2111' FEL Sec. 21, T8S, R17E	9. API Well No. 43-013-31640
	10. Field and Pool, or Exploratory Area Boundary
	11. County or Parish, State Duchesne, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Well Status	<input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WELL STATUS REPORT FOR 11/1/96 - 11/12/96:

Perf CP sd 6124'-6130', 6155'-6159', 6162'-6169', 6187'-6192', 6226'-6236'
Perf A sd 5877'-5879', 5883'-5887', 5889'-5895', 5897'-5904'
Perf D sd 5370'-5376'
Perf C sd 5440'-5445', 5456'-5460', 5465'-5468', 5504'-5512'



14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 11/22/96
Cheryl Cameron

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

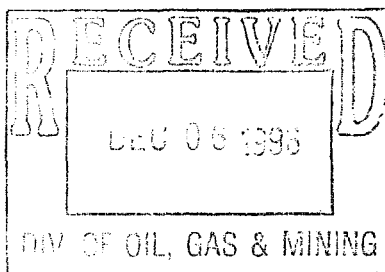
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. L. Clark Roberts & Barbara Roberts
2. Name of Operator Inland Production Company	7. If unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 790233 Vernal, Utah 84079 (801) 789-1866	8. Well Name and No. Boundary 7-21
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE/NE 1974' FNL & 2111' FEL Sec. 21, T8S, R17E	9. API Well No. 43-013-31640
	10. Field and Pool, or Exploratory Area Boundary
	11. County or Parish, State Duchesne, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Well Status	<input type="checkbox"/> Dispose Water
<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>		

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

RIH w/ production string

ON PRODUCTION 11/18/96



14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title **Regulatory Compliance Specialist** Date **11/25/96**
Cheryl Cameron

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

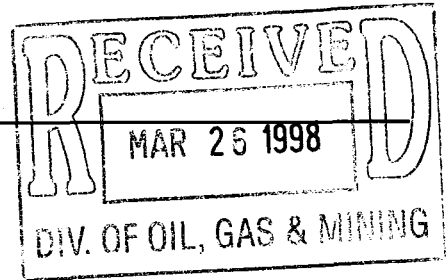
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUMULUM USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4574'		#32.			
Point 3 Mkr	4855'		Perf CP sd 6124'-6130', 6155'-6159'			
X Mkr	5084'		6162'-6169', 6187'-6192'			
Y Mkr	5120'		6266'-6236'			
Dgls Ck Mkr	5254'		Frac w/ 81,700# 20/40 sd in 512 bbls gel			
Bicarb Mkr	5524'					
B Lmstne Mkr	5726'		Perf A sd 5877'-5879', 5883'-5887'			
Castle Pk	6106'		5889'-5895', 5897'-5904'			
al Carb	NDE		Frac w/ 121,000# 20/40 sd in 654 bbls gel			
			Perf D sd 5370'-5376',			
			C sd 5440'-5445', 5456'-5460'			
			5465'-5468', 5504'-5512'			
			Frac w/ 96,800# 20/40 sd in 582 bbls gel			



March 17, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Boundary Federal #7-21, Boundary Unit
Monument Butte Field, Lease #U-50375
Section 21-Township 8S-Range 17E
Duchesne County, Utah

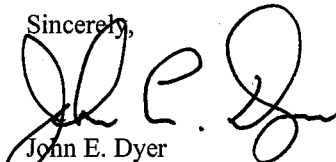
Dear Mr. Jarvis:

Inland Production Company herein requests the following approval(s):

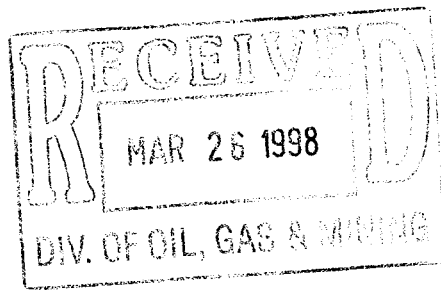
1. Conversion of the Boundary Federal #7-21 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Boundary Unit;
2. Installation of an injection flowline. The proposed water injection line would leave the Boundary Federal #7-21 and run approximately 2700' from the location in a southwesterly direction, and tie into an existing line. The line would be a 3" coated steel pipe and buried 5' below the surface.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,



John E. Dyer
Chief Operating Officer



INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

BOUNDARY FEDERAL #7-21

BOUNDARY UNIT

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #U-50375

MARCH 17, 1998

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Comments:

Boundary #7-21

Spud Date: 10/16/96
Put on Production: 11/18/96
GL: 5208' KB: 5221'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts.(285.12")
DEPTH LANDED: 284.52' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 9 bbls to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts.(6355.30')
DEPTH LANDED: 6350' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 410 sk HiBond mixed & 450 sxs thixotropic
CEMENT TOP AT: 808' per CBL

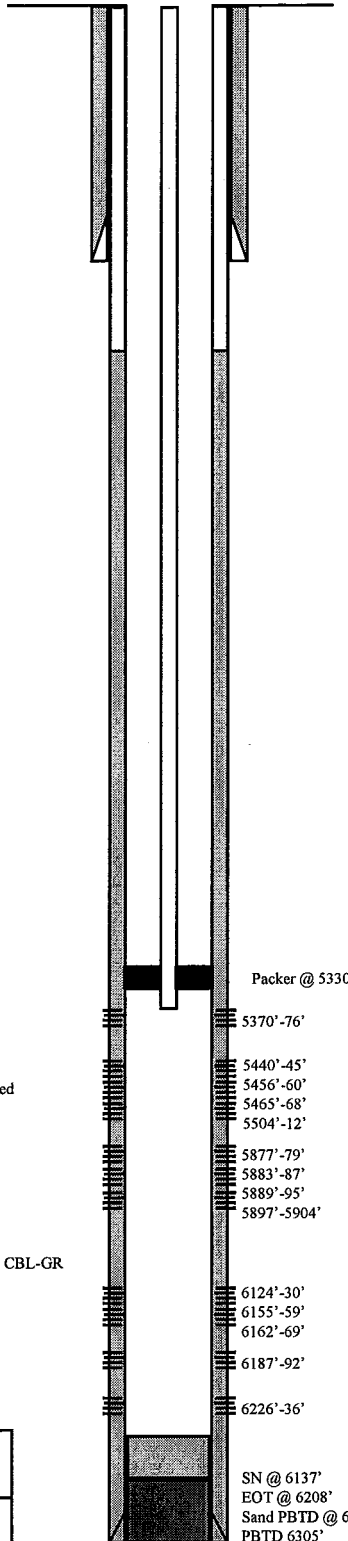
TUBING

SIZE/GRADE/WT.: 2-7/8"/M-50/6.5#.
NO. OF JOINTS: 202 jts.
TUBING ANCHOR: 6103'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6208'
SN LANDED AT: 6137'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8-1" scraped, 137-3/4" plain rods, 99-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Proposed Injection Diagram



Initial Production: ? BOPD, ?
MCFPD, ? BWPD

FRAC JOB

11/8/96 6124'-6236' Frac CP-1, CP-2 & CP-3 sands as follows:
81,700# of 20/40 sand in 512 bbls of Boragel. Breakdown @ 1928 psi. Treated @ avg rate of 32 bpm w/avg press of 1400 psi. ISIP-1912 psi. 5-min 1739 psi. Flowback on 12/64" ck for 4-1/2 hours and died.

11/11/96 5877'-5904' Frac A-3 sand as follows:
121,000# 20/40 sand in 654 bbls of Boragel. Breakdown @ 3284 psi. Treated @ avg rate of 24.8 bpm w/avg press of 3284 psi. ISIP-2100 psi. 5-min 1937 psi. Flowback on 12/64" ck for 5 hours and died.

11/13/96 5370'-5512' Frac C and D-2 sands as follows:
96,800# of 20/40 sand in 582 bbls of Boragel. Breakdown @ 2075 psi. Treated @ avg rate of 24.5 bpm w/avg press of 1400 psi. ISIP-2385 psi. 5-min 2350 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
11/6/96	6124'-6130'	4 JSPF	24 holes
11/6/96	6155'-6159'	4 JSPF	16 holes
11/6/96	6162'-6169'	4 JSPF	28 holes
11/6/96	6187'-6192'	4 JSPF	20 holes
11/6/96	6226'-6236'	4 JSPF	40 holes
11/9/96	5877'-5879'	4 JSPF	8 holes
11/9/96	5883'-5887'	4 JSPF	16 holes
11/9/96	5889'-5895'	4 JSPF	24 holes
11/9/96	5897'-5904'	4 JSPF	28 holes
11/12/96	5440'-5445'	4 JSPF	20 holes
11/12/96	5456'-5460'	4 JSPF	16 holes
11/12/96	5465'-5468'	4 JSPF	12 holes
11/12/96	5504'-5512'	4 JSPF	32 holes
11/12/96	5370'-5376'	4 JSPF	24 holes



Inland Resources Inc.

Boundary #7-21

1974 FNL 2111 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31640; Lease FEE: Roberts

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Boundary Federal #7-21 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Boundary Unit; and to install a water injection line. The proposed water injection line would leave the Boundary Federal #7-21 well and would run approximately 2700' in a southwesterly direction, and tie into an existing line. The line would be a 3" coated steel pipe, buried 5' below the surface. See Attachment D.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. In the Boundary Federal #7-21 well, the proposed injection zone is from 5370'-6236'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 5370'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Boundary Federal #7-21 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Fee lease (L. Clark Roberts), in the Monument Butte (Green River) Field, Boundary Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 284.52' GL, and the 5-1/2" casing run from surface to 6350' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1867 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Boundary Federal ~~#9-21~~^{#7-21}, for proposed zones (5370' – 6236') calculates at .74 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1867 psig. See Attachment G through G-3.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Boundary Federal #7-21, the injection zone (5370'-6236') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

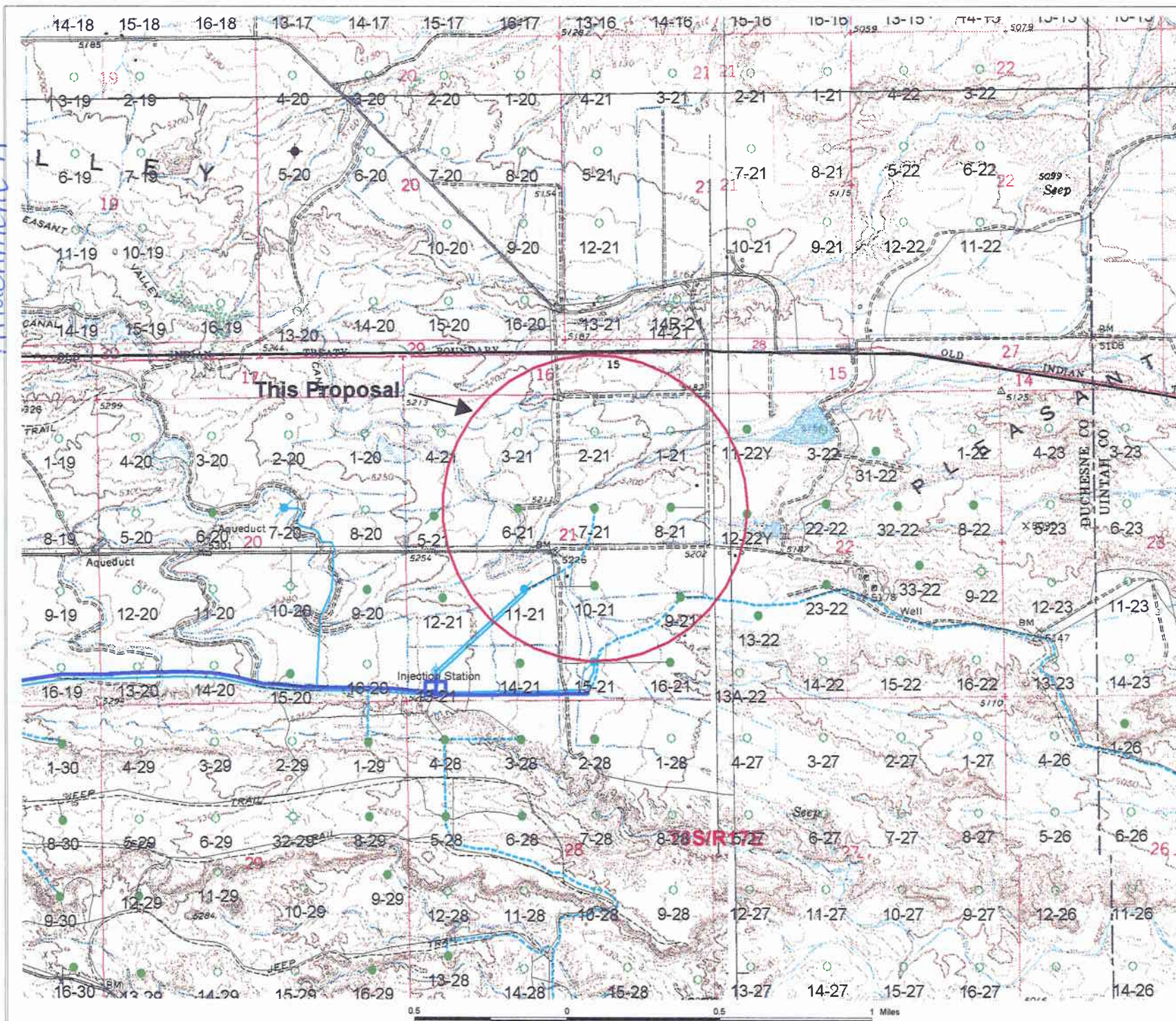


Exhibit "A"



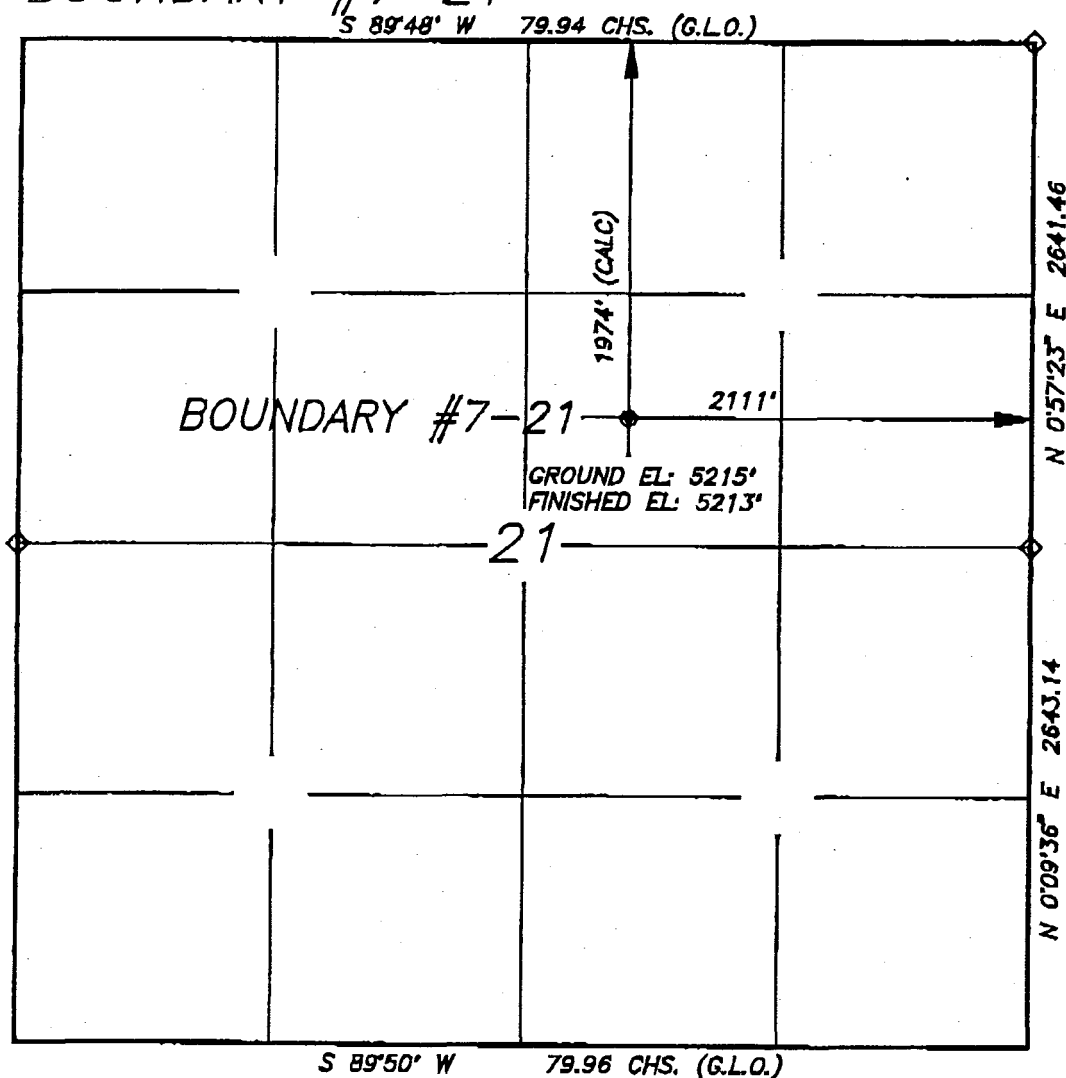
Legend

- INJ
- OIL
- ☆ GAS
- ★ O&G
- ◇ DRY
- SHUTIN
- LOC
- Proposed Water 6"
- Water 6"
- Water 4"
- Water 2-3"
- Proposed Water

Attachment A-1

INLAND PRODUCTION CO. WELL LOCATION PLAT BOUNDARY #7-21

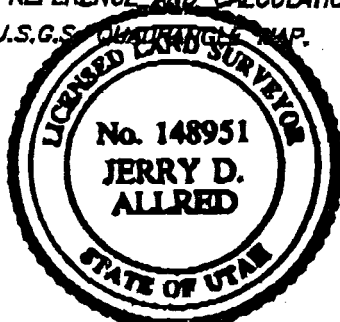
LOCATED IN THE SW1/4 OF THE NE1/4
SECTION 21, T8S. R17E, S.L.B.&M.



LEGEND AND NOTES

- ◇ CORNER MONUMENTS FOUND AND USED
BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS
USED FOR REFERENCE AND CALCULATIONS, AS
WAS THE U.S.G.S. QUADRANGLE MAP.



14 FEB 1986

84-121-048

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED
FROM FIELD NOTES OF AN ACTUAL SURVEY
PERFORMED BY ME, DURING WHICH THE SHOWN
MONUMENTS WERE FOUND OR ESTABLISHED.

Jerry D. Allred
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER STREET
P.O. BOX 975
DUCESNE, UTAH 84021
(801)-738-5352

Received Time Mar 20, 11:11AM

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 17 East Section 14: All Section 15: All Section 22: W/2NW/4	U-66191 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroluem Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	Township 8 South, Range 17 East Section 17: All Section 18: Lot 1, 2, Section 19: Lot 3-5, E/2, NE/4SW/4 Section 20: All Section 21: W/2, SE/4	U-76954 HBP	Inland Production Company	(Surface Rights) USA
3	Township 8 South, Range 17 East Section 22: NE/4, E/2NW/4, S/2 Section 26: W/2NE/4, NW/4, N/2SW/4, NW/SE/4	U-76240 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
(Pg 1 of 2)
Revised

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-76954), in the Monument Butte (Green River) Field, Boundary Unit, and this request is for administrative approval.

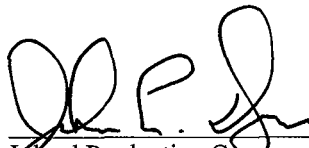
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Boundary Federal #7-21

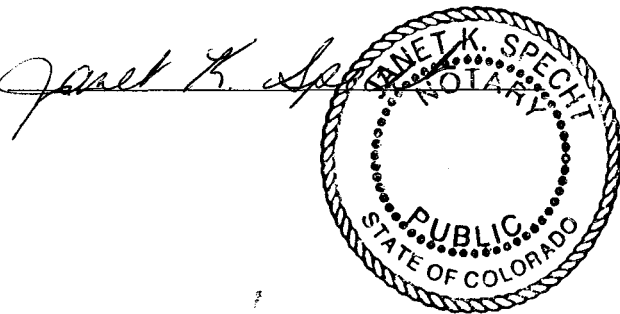
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 17th day of March, 1998.

Notary Public in and for the State of Colorado: _____



Boundary #7-21

Spud Date: 10/16/96
Put on Production: 11/18/96
GL: 5208' KB: 5221'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (285.12')
DEPTH LANDED: 284.52' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 9 bbls to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts. (6355.30')
DEPTH LANDED: 6350' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 410 sk HiBond mixed & 450 sxs thixotropic
CEMENT TOP AT: 808' per CBL

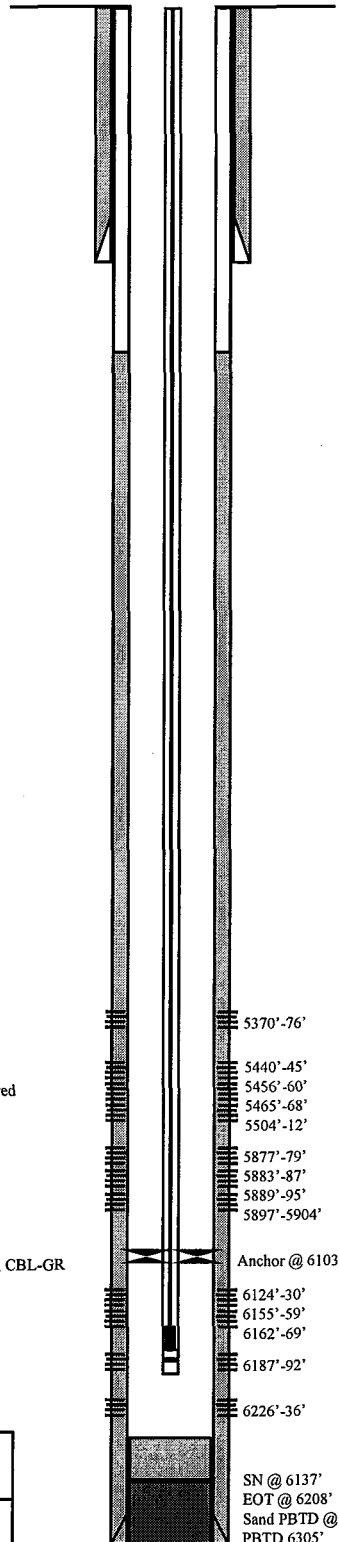
TUBING

SIZE/GRADE/WT.: 2-7/8"/M-50/6.5#.
NO. OF JOINTS: 202 jts.
TUBING ANCHOR: 6103'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6208'
SN LANDED AT: 6137'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8-1" scraped, 137-3/4" plain rods, 99-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



Initial Production: ? BOPD, ?
MCFPD, ? BWPD

FRAC JOB

11/8/96 6124'-6236' Frac CP-1, CP-2 & CP-3 sands as follows:
81,700# of 20/40 sand in 512 bbls of Boragel. Breakdown @ 1928 psi. Treated @ avg rate of 32 bpm w/avg press of 1400 psi. ISIP-1912 psi. 5-min 1739 psi. Flowback on 12/64" ck for 4-1/2 hours and died.

11/11/96 5877'-5904' Frac A-3 sand as follows:
121,000# 20/40 sand in 654 bbls of Boragel. Breakdown @ 3284 psi. Treated @ avg rate of 24.8 bpm w/avg press of 3284 psi. ISIP-2100 psi. 5-min 1937 psi. Flowback on 12/64" ck for 5 hours and died.

11/13/96 5370'-5512' Frac C and D-2 sands as follows:
96,800# of 20/40 sand in 582 bbls of Boragel. Breakdown @ 2075 psi. Treated @ avg rate of 24.5 bpm w/avg press of 1400 psi. ISIP-2385 psi. 5-min 2350 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

PERFORATION RECORD

11/6/96	6124'-6130'	4 JSPF	24 holes
11/6/96	6155'-6159'	4 JSPF	16 holes
11/6/96	6162'-6169'	4 JSPF	28 holes
11/6/96	6187'-6192'	4 JSPF	20 holes
11/6/96	6226'-6236'	4 JSPF	40 holes
11/9/96	5877'-5879'	4 JSPF	8 holes
11/9/96	5883'-5887'	4 JSPF	16 holes
11/9/96	5889'-5895'	4 JSPF	24 holes
11/9/96	5897'-5904'	4 JSPF	28 holes
11/12/96	5440'-5445'	4 JSPF	20 holes
11/12/96	5456'-5460'	4 JSPF	16 holes
11/12/96	5465'-5468'	4 JSPF	12 holes
11/12/96	5504'-5512'	4 JSPF	32 holes
11/12/96	5370'-5376'	4 JSPF	24 holes



Inland Resources Inc.

Boundary #7-21

1974 FNL 2111 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31640; Lease FEE: Roberts

Spud Date: 11/4/97
 Put on Production: 12/22/97
 GL: 5223' KB: 5233'

Boundary Federal #6-21

Initial Production: 58 BOPD,
 135 MCFD, 14 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (290')
 DEPTH LANDED: 301' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 140 sxs Premium cmt, est ? Bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts. (6320.98')
 DEPTH LANDED: 6330.73'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 285 sxs Hibond mixed w/ 305 sxs thixotropic
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 194 jts
 TUBING ANCHOR: 6084'
 TOTAL STRING LENGTH:
 SN LANDED AT: 6181'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 143-3/4" plain; 95-3/4" scraped; 1-8", 1-4", 1-2" pony rods
 PUMP SIZE: ?
 STROKE LENGTH: 64"
 PUMP SPEED, SPM: 9 SPM
 LOGS: DIGL/SP/GR/CAL (6336'-302')
 DSN/SDL/GR (6306'-3000')

ACID JOB/BREAKDOWN

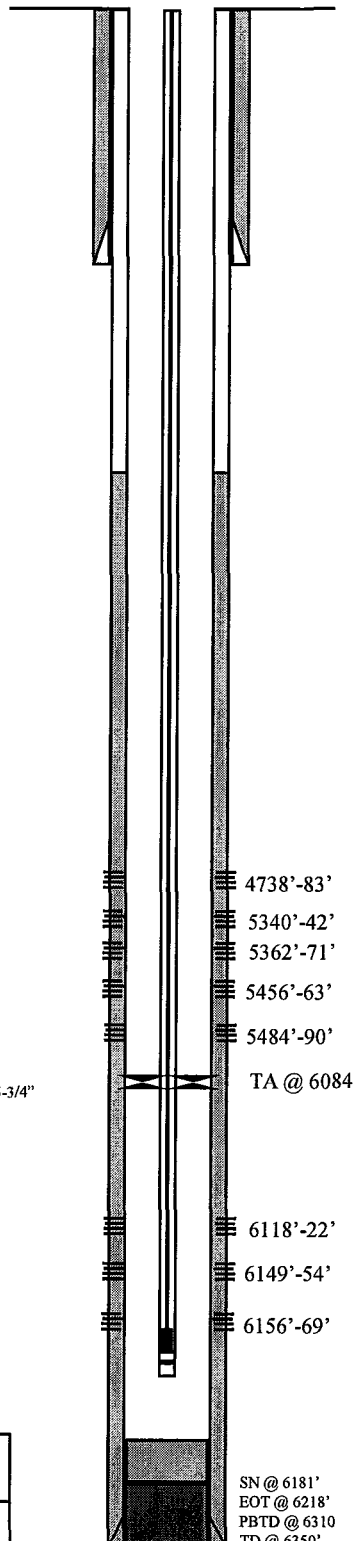
11/9/95	6195'-6200'	(40 holes) 3015 gal 2 % KCl water w/80 ball sealers. Ball action, no ball off. ATP-2100#, Max-2300#, ATR-5bpm. ISIP-1350 psi. Frac Gradient-0.557.
11/9/95	6270'-6281'	(22 holes) 2469 gal 2% KCl water w/ 44 ball sealers. Balled off. ATP-2400psi, Max-5000#, ATR-4.9 bpm, ISIP-1500 psi.
11/13/95	5387'-5396'	(10 holes) 2058 gal 2% KCl water w/ 20 ball sealers. Balled off. ATP-2000#, Max-5000#, ATR-4.4 bpm, ISIP-1300psi.
11/13/95	5507'-5509'	(4 holes) 2142 gal 2% KCl water w/ 20 ball sealers. Balled off. ATP-2600#, Max-5000#, ATR-4.4 bpm, ISIP-1500psi.
11/16/95	4585'-4594'	(38 holes) 1903 gal 2% KCl water w/ 72 ball sealers. Balled off. ATP-1580#, Max-5000#, ATR-4.3 bpm, ISIP-1250psi.

FRAC JOB

12/13/97	6118'-6169'	Frac CP sand as follows: 104,300# 20/40 sand in 543 bbls Delta Frac. Breakdown @ 1735 psi. Treated @ avg press of 1500 psi w/avg rate of 29.9 BPM. ISIP-2234 psi, 5 min 1750 psi. Flowback on 12/64" ck for 4 hrs & died.
12/16/97	5340'-5490'	Frac C/D sands as follows: 118,300# 20/40 sand in 593 bbls Delta Frac. Breakdown @ 1956 psi. Treated @ avg press of 1610 psi w/avg rate of 32.3 BPM. ISIP-2292 psi, 5 min 1865 psi. Flowback on 12/64" ck for 3 hrs & died.
12/18/97	4738'-4783'	Frac GB sand as follows: 104,300# 20/40 sand in 498 bbls Delta Frac. Breakdown @ 1937 psi. Treated @ avg press of 1450 psi w/avg rate of 26.1 BPM. ISIP-1711 psi, 5 min 1605 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.

PERFORATION RECORD

12/12/97	6118'-6122'	4 SPF	16 holes
12/12/97	6149'-6154'	4 SPF	20 holes
12/12/97	6156'-6169	4 SPF	52 holes
12/14/97	5340'-5342'	4 SPF	8 holes
12/14/97	5362'-5371'	4 SPF	36 holes
12/14/97	5456'-5463'	4 SPF	28 holes
12/14/97	5484'-5490'	4 SPF	24 holes
12/17/97	4738'-4783'	2 SPF	90 holes



SN @ 6181'
 EOT @ 6218'
 PBTD @ 6310
 TD @ 6350'



Inland Resources Inc.

Boundary Federal #6-21

2170 FNL 2161 FWL

SENW Section 21-T9S-R17E

Duchesne Co, Utah

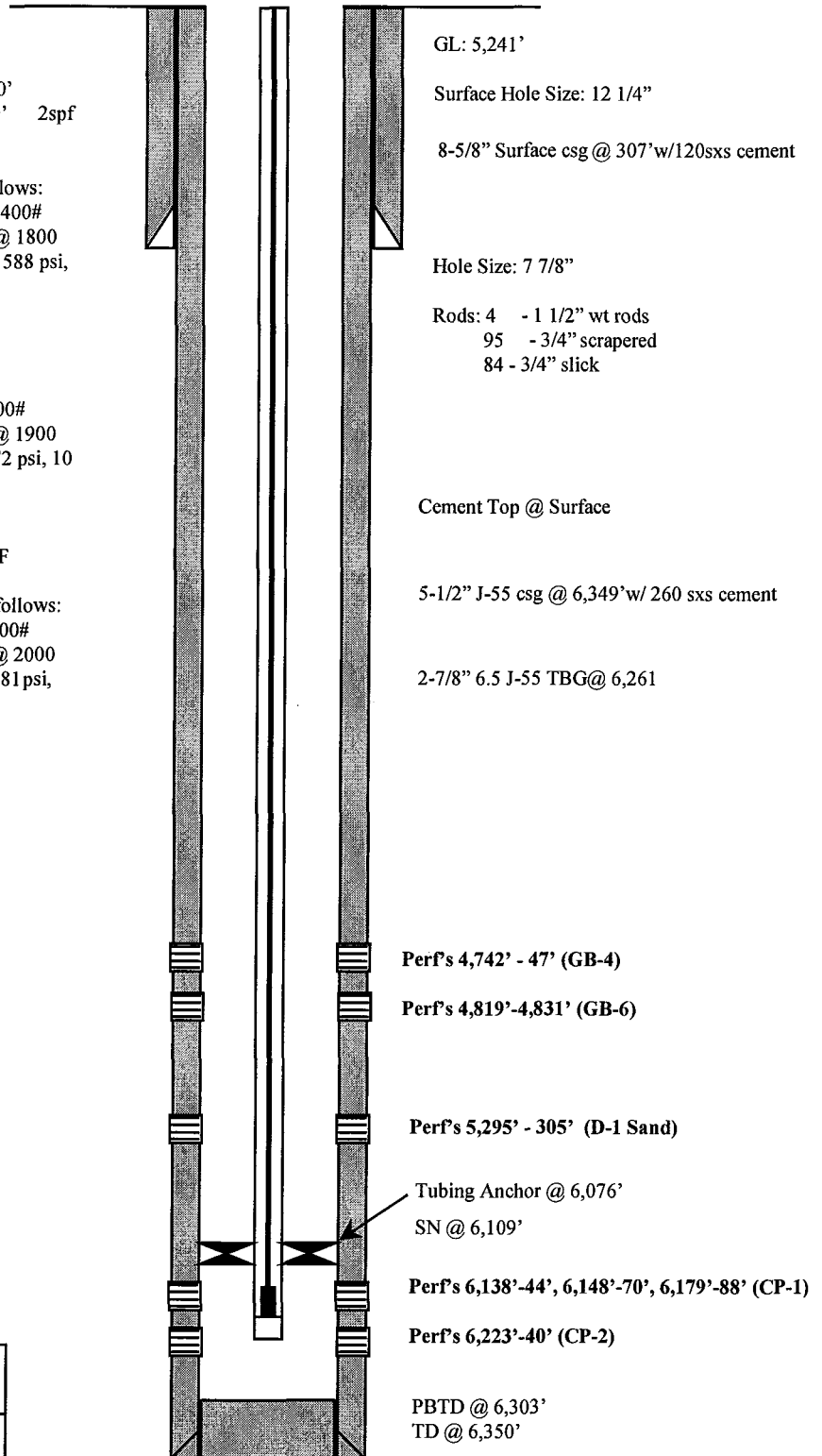
API #43-013-31889; Lease #U-50376

Boundary Federal #8-21

Wellbore Diagram

Well History:

11-5-95	Spud Well
12-23-95	Perf: 6,138' - 44' 6,148' - 70' 6,179' - 88' 6,223' - 40' 2spf Castlet Peak Sands
12-24-95	Frac Castlet Peak Zones as follows: Totals 834 bbls Boragel, 109,400# 20/40 sd. Avg rate 43 BPM @ 1800 psi. ISIP: 1759 psi, 5 min.; 1588 psi, 10 min: 1457 psi.
12-27-95	Perf: 5,295'-305' D Sand
12-28-95	Frac D Sand as follows: Totals 382 bbls Boragel 39,300# 20/40 sd. Avg rate 20 BPM @ 1900 psi. ISIP 2083 psi, 5 min: 1972 psi, 10 min: 1935 psi.
12-29-95	Perf: 4,742'-47' GB-4 4,819'-31' GB-6 4 SPF
12-30-95	Frac GB-4 & GB-6 Sands as follows: Totals 592 bbls Boragel, 69,000# 16/30 sd. Avg rate 31 BPM @ 2000 psi. ISIP 2100 psi, 5 min: 2081 psi, 10 min: 2080 psi.
1-7-96	1st Day of Production



Inland Resources Inc.

Boundary Federal #8-21

1960 FNL 465 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31557; Lease #U-50376

Boundary Federal #9-21

Wellbore Diagram

Well History:

8-23-95 Spud Well

9-16-95 Perf: 6,190'-6,201', 6,115'-6,144'

9-20-95 Frac CP-1 and CP-2 zones as follows:
Totals 33,050 gal, 163,350#20/40 sd
Max TP 1,895 @ 36.4 BPM
Avg TP 1,450 @ 35 BPM
ISIP 1,895, after 5 min 1,822

9-21-95 Perf: 5,860'-5,876', 5,879'-5,884'

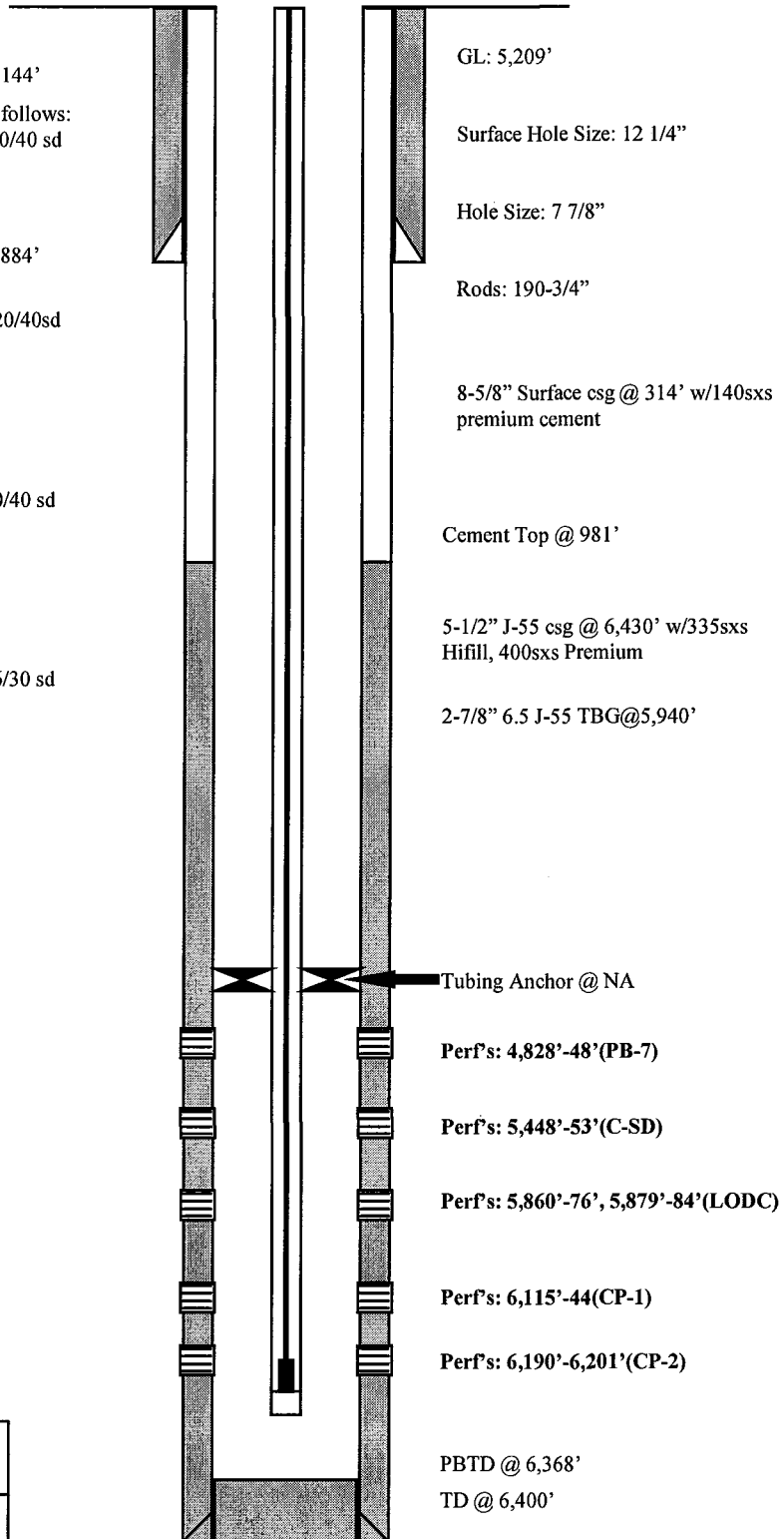
9-22-95 Frac LODC zone as follows:
Totals 31,000 gal, 152,000# 20/40sd
Max TP 2,520 @ 41.3 BPM
Avg TP 2,200 @ 38 BPM
ISIP 2,300, after 5 min 2,243

9-23-95 Perf: 5,448'-5,453'

9-24-95 Frac C-Sd zone as follows:
Totals 12,960 gal, 60,000# 20/40 sd
Max TP 3,980 @ 27.8 BPM
Avg TP 1,550 @ 25 BPM
ISIP 1,462, after 5 min. 1,365

9-26-95 Perf: 4,828'-4,848'

9-27-95 Frac GB-7 zone as follows:
Totals 27,457 gal, 79,700# 16/30 sd
Max TP 2,450 @ 26.6 BPM
Avg TP 1,900 @ 24.5 BPM
ISIP 2,237, after 5 min. 2,131



Inland Resources Inc.

Boundary Federal #9-21

1980 FSL 660 FEL

NESE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31542; Lease #U-50376

Boundary Federal #10-21

Wellbore Diagram

Well History:

8-17-95 Spud Well

9-16-95 Perf: 6,210'-6,224', 6,090'-6,118'

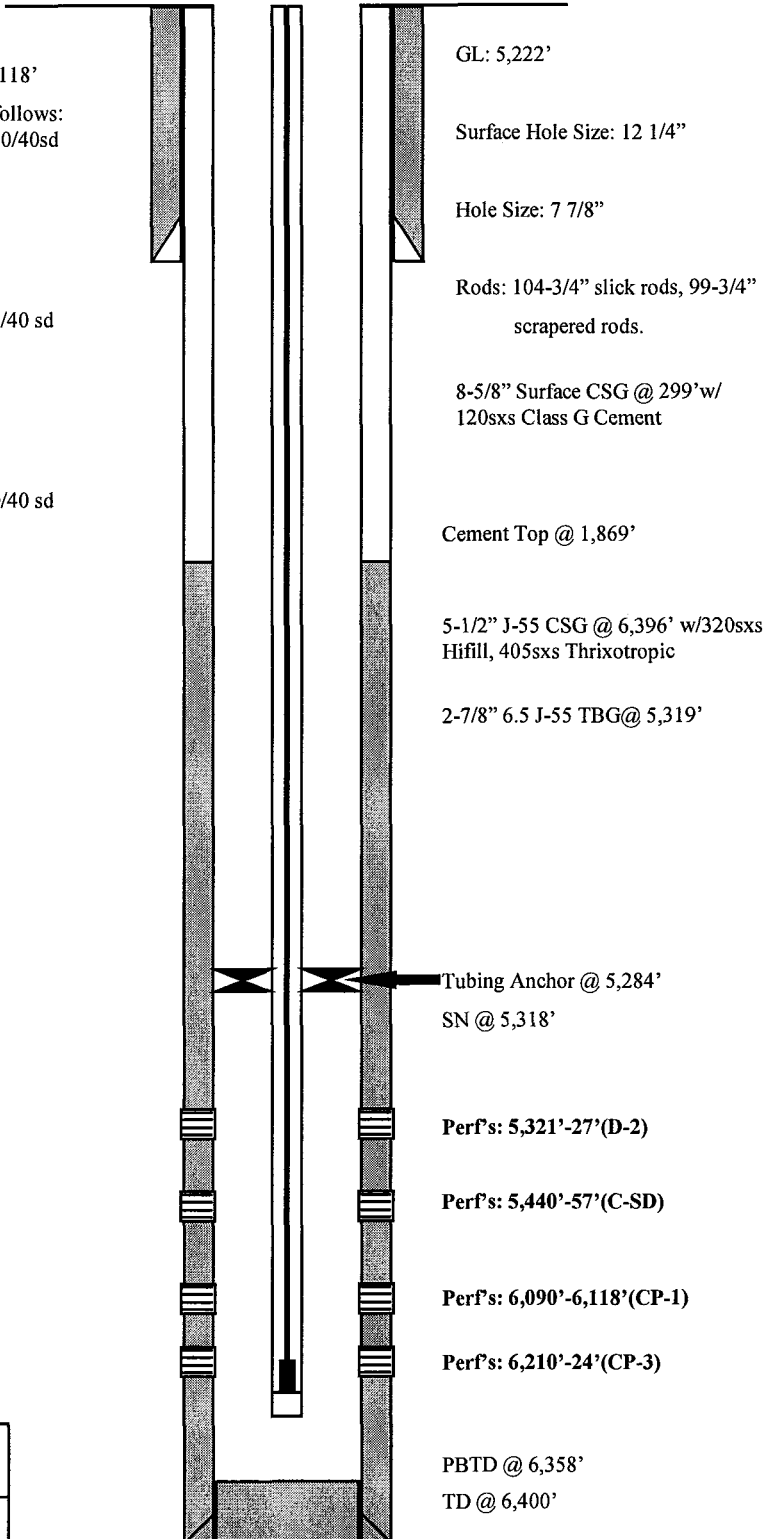
9-20-95 Frac CP-1 and CP-3 zones as follows:
Totals 51,000 gal, 230,000# 20/40sd
Max TP 2,150 @ 37 BPM
Avg TP 1,800 @ 36 BPM
ISIP 1,931, after 5 min 1,832

9-21-95 Perf: 5,440'-5,457'

9-22-95 Frac C zone as follows:
Totals 19,000 gal, 73,600# 20/40 sd
Max TP 2,080 @ 34 BPM
Avg TP 1,650 @ 33 BPM
ISIP 1,678, after 5 min 1,635

9-23-95 Perf: 5,321'-5,327'

9-24-95 Frac D-2 zone as follows:
Totals 14,312 gal, 55,000# 20/40 sd
Max TP 2,696 @ 28 BPM
Avg TP 2,100 @ 24 BPM
ISIP 1,793, after 5 min. 1,787



Inland Resources Inc.

Boundary Federal #10-21

1980 FEL 1983 FSL

NWSE Section 21-T8S-R17E

Duchesne Co, Utah

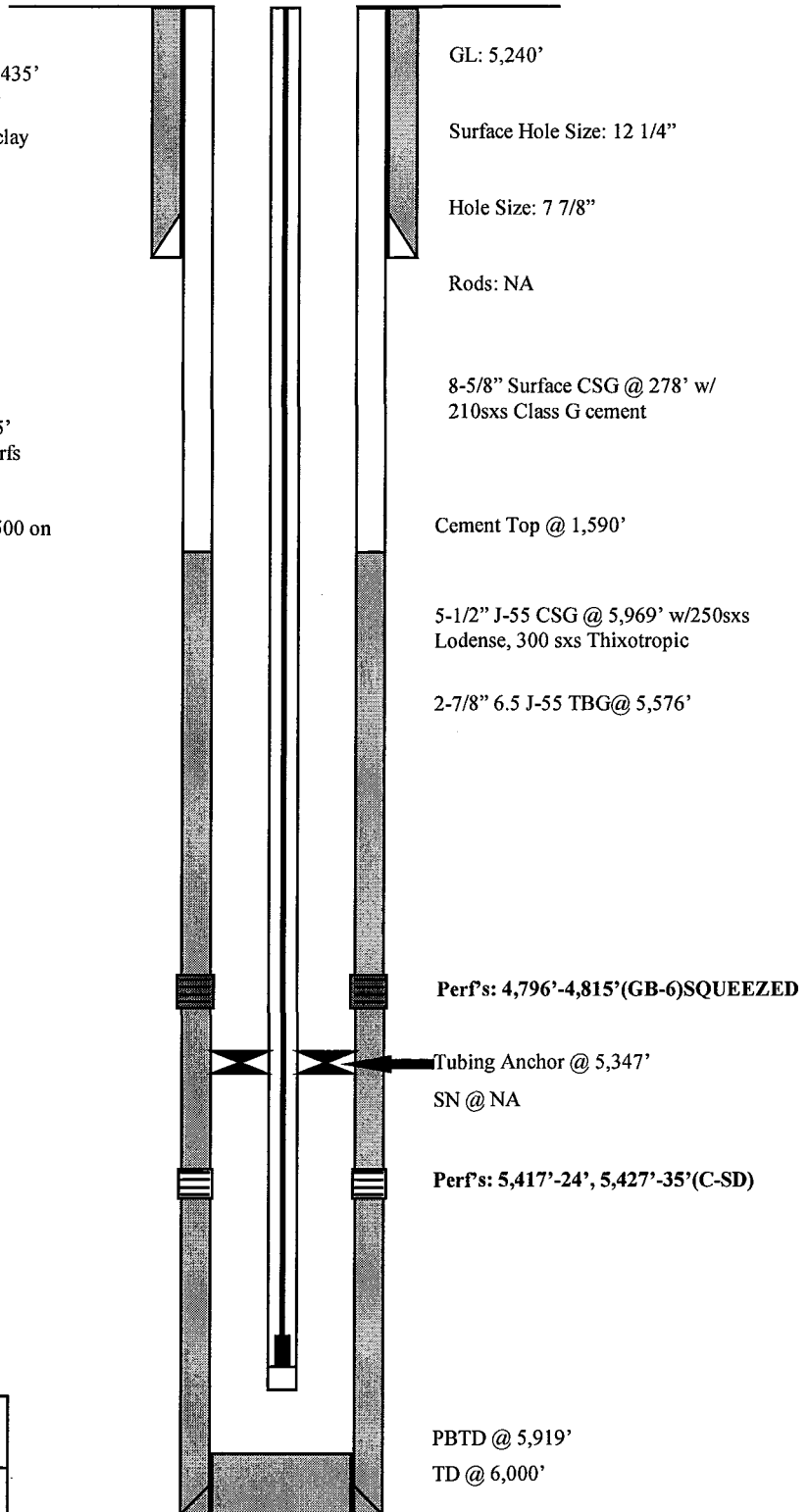
API #43-013-31532; Lease #U-50376

Boundary Federal #11-21

Wellbore Diagram

Well History:

9-10-83 Spud Well
 10-7-83 Perf: 5,417'-5,424', 5,427'-5,435'
 Frac C zone as follows:
 1,400 gal 5% KCl water and clay stabilizer
 Max TP 6,700 @ 0 BPM
 Avg TP 3,000 @ 8.8 BPM
 2-22-96 Perf: 4,796'-4,815'
 2-23-96 Frac GB-4 zone as follows:
 Totals 23,576 gal fluid
 78,200# 16/30 sd
 Avg TP 1900 @ 25.5 bpm
 ISIP 2200, after 5 min 2096
 3-2-96 SQUEEZE Perfs 4,796'-4,815'
 w/ est. 15.8 bbls cement in perfs
 and est. 3.7 bbls in csg.
 Est cement top 4700'
 SDFN w/ 3000 psi on tbg & 500 on ann.



Inland Resources Inc.

Boundary Federal #11-21

1915 FSL 2076 FWL

NESW Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-30752; Lease #U-50376

Boundary Federal #15-21

Spud Date: 6/4/96
Put on Production: 7/14/96
GL: 5223' KB: 5236'

Initial Production: 22 BOPD,
90 MCFPD, 2 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (289.27')
DEPTH LANDED: 288.12' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152 jts. (6369.07')
DEPTH LANDED: 6356.07' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 340 sk Hyfill mixed & 445 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 193 jts
TUBING ANCHOR: 6076'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 6206')
SN LANDED AT: 6110'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 140-3/4" slick rods, 95-3/4" scraped
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16 RHAC
STROKE LENGTH: 100"
PUMP SPEED, SPM: 6 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

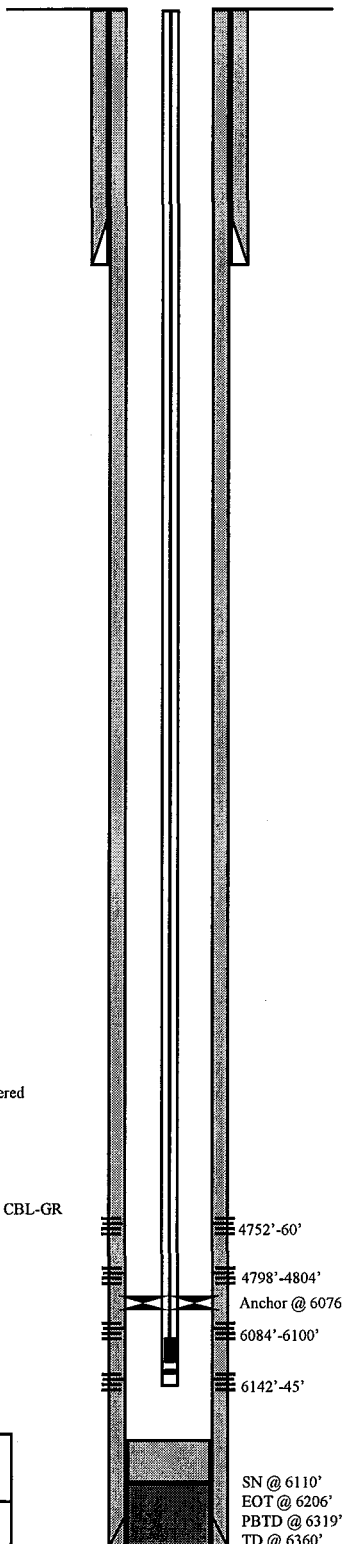
FRAC JOB

7/8/96 6084'-6145' **Frac CP-1 and CP-2 sand as follows:**
65,400# 20/40 sd in 418 bbls Boragel.
Brokedown @ 2124 psi. Treated @ avg
rate 20 bpm, avg press 1600 psi. ISIP-
2035, 5-min 1923. Flowback after 5 min
on 16/64" choke for 1-1/2 hrs & died.

7/10/96 4752'-4804' **Frac GB-6 & PB-7 sands as follows:**
82,100# of 20/40 sand w/ 439 bbls of
Boragel. Breakdown @ 2930 psi. Treated
@ avg rate 18.3 bpm w/ avg press of
1600 psi. ISIP: 2194 psi, 5-min 2151 psi.
Flowback after 5 min on 16/64" ck for 30
min & died.

PERFORATION RECORD

7/1/96	6084'-6100'	4 JSPF	60 holes
7/1/96	6142'-6145'	4 JSPF	12 holes
7/9/96	4752'-4760'	4 JSPF	32 holes
7/9/96	4798'-4804'	4 JSPF	24 holes



Inland Resources Inc.

Boundary Federal #15-21

658 FSL 1980 FEL

SWSE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31622; Lease #U-50376

Balcron Federal #12-22Y

Wellbore Diagram

Well History:

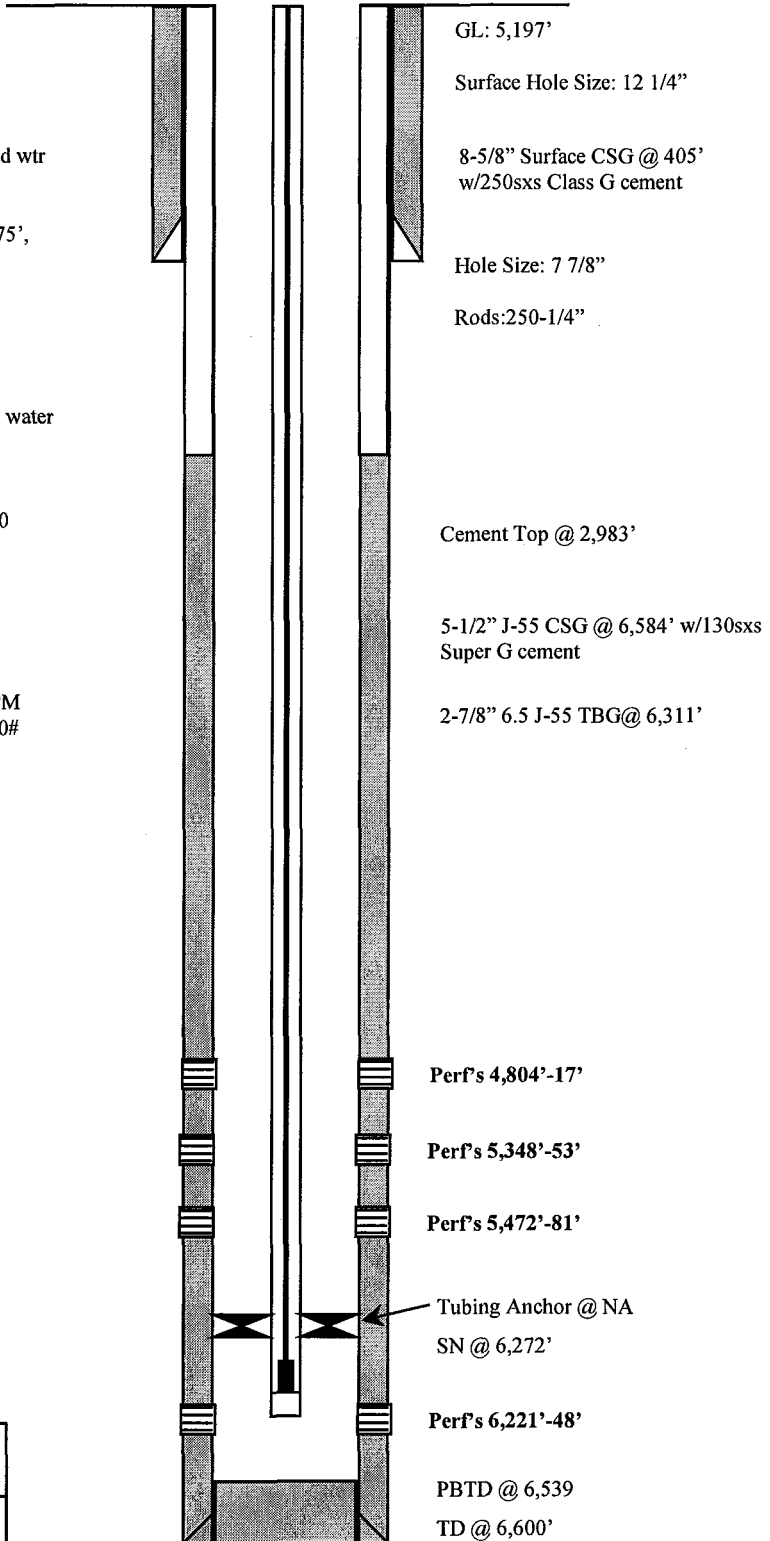
12-21-95 Spud Well

1-17-95 Perf: 6,221'-6,248'(2 SPF)
Frac CP zone as follows:
Totals 52,584 gal 2% KCl gelled wtr
80,040# 20/40 sd
87,580# 16/30 sd

4-26-95 Perf: 5,348'-5,353', 5,472'-5,475',
5,479'-5,481'
Frac zone as follows:
Totals 3,000 gal 2% KCl water
11,500 gal 2% KCl gel
26,920# 20/40 sand
38,000# 16/30 sand
Flushed with 5,345 gal 2% KCl water
ATP 2,200#
Max TP 2,830#
ATR 33 BPM, Max 34.6 BPM
ISIP 1,680 psi, after 5 min 1,440

4-28-95 Perf: 4,804'-4,817'

5-1-95 Frac zone as follows:
Totals 19,026 gal 2% KCl gel
80,400# 16/30 sand
Avg TP 1,850#
Max TP 2,300#
Avg TR 30 BPM, Max 30.6 BPM
ISIP 1,900 psi, after 5 min 1,570#



Inland Resources Inc.

Balcron Federal #12-22Y

2105 FSL 660 FWL

SWNW Section 22-T8S-R17E

Duchesne Co, Utah

API #43-013-31476; Lease #U-50376

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

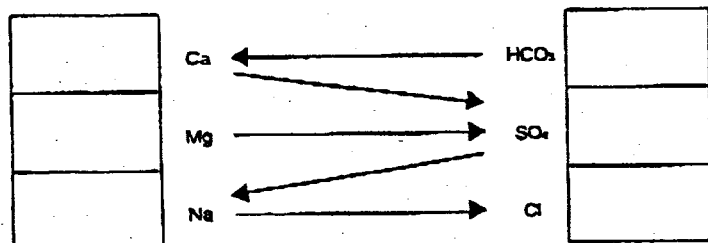
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water Date Sampled _____ Analysis No. _____
FRESH WATER

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u>	+ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u>	+ 61 <u>5</u> HCO ₃
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	+ 35.5 <u>1</u> Cl
9. Sulfates (SO ₄)		SO ₄ <u>110</u>	+ 48 <u>2</u> SO ₄
10. Calcium (Ca)		Ca <u>44</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>22</u>	+ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION**Saturation Values**CaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Eqv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

REMARKS _____

NICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**Company INLAND Address _____ Date 02-03-97Source BF 7-21 Date Sampled 01-30-97 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>		
2. H ₂ S (Qualitative)	<u>3.0</u>		
3. Specific Gravity	<u>1.004</u>		
4. Dissolved Solids	<u>11,376</u>		
5. Alkalinity (CaCO ₃)	<u>120</u>		
6. Bicarbonate (HCO ₃)	HCO ₃ <u>1,500</u>	÷ 61 <u>25</u>	HCO ₃
7. Chlorides (Cl)	Cl <u>5,300</u>	÷ 35.5 <u>149</u>	Cl
8. Sulfates (SO ₄)	SO ₄ <u>360</u>	÷ 48 <u>8</u>	SO ₄
9. Calcium (Ca)	Ca <u>16</u>	÷ 20 <u>1</u>	Ca
10. Magnesium (Mg)	Mg <u>2</u>	÷ 12.2 <u>0</u>	Mg
11. Total Hardness (CaCO ₃)	<u>50</u>		
12. Total Iron (Fe)	<u>0.4</u>		
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

<u>1</u>	Ca	←	HCO ₃	<u>25</u>
<u>0</u>	Mg	←	SO ₄	<u>8</u>
<u>181</u>	Na	←	Cl	<u>149</u>

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>1</u>			<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>24</u>			<u>2,016</u>
Na ₂ SO ₄	71.03	<u>8</u>			<u>568</u>
NaCl	58.46	<u>149</u>			<u>8,711</u>

Saturation ValuesCaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

03-06-98

WATER DESCRIPTION:	JOHNSON WATER	BF 7-21
P-ALK AS PPM CaCO ₃	0	200
M-ALK AS PPM CaCO ₃	492	2460
SULFATE AS PPM SO ₄	110	360
CHLORIDE AS PPM Cl	35	5300
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	110	40
MAGNESIUM AS PPM CaCO ₃	90	8
SODIUM AS PPM Na	92	4163
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	11376
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.8

WATER COMPATIBILITY CALCULATIONS
 JOHNSON WATER AND BF 7-21
 CONDITIONS: TEMP.=150AND pH=7.9
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.23	35	0	0	0
90	1.31	33	0	0	0
80	1.35	31	0	0	0
70	1.37	29	0	0	0
60	1.37	27	0	0	0
50	1.36	25	0	0	0
40	1.33	22	0	0	0
30	1.30	20	0	0	0
20	1.25	17	0	0	0
10	1.20	15	0	0	0
0	1.13	12	0	0	0

Attachment G

**Boundary Federal #7-21
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
6124	6236	6180	1912	0.74	1867
5877	5904	5891	2100	0.79	2085
5370	5512	5441	2385	0.87	2335
				Minimum	<u>1867</u>

Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.



DAILY COMPLETION REPORT

WELL NAME Boundary Federal 7-21 Report Date 11/9/96 Completion Day 6
Present Operation Perforate "A" Sand Rig Basin #6

WELL STATUS

Surf Csg: 8-5/8 @ 294 Liner 6.5 @ 6353 Prod Csg 5-1/2 @ 6353 Csg PBTD 6305
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 Pkr/EOT @ BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	6124-30'	4/24	CP	6226-36'	4/40
CP	6155-59'	4/16			
CP	6162-69'	4/28			
CP	6187-92'	4/20			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/8/96 SITP: 0 SICP 75
RU swb. IFL @ 5100' (1000' inflow), made 1 run, rec 7 BTF (est 6 BO, 1 BW). TOH w/tbg. NU treesaver. RU Halliburton & frac "CP" sd w/81,700# of 20/40 sd in 512 bbls of Boragel. Break dn @ 1928 psi. Treated @ ave rate of 32 bpm w/ave press of 1400 psi. ISIP: 1912 psi, 5 min: 1739 psi. Flowback on 12/64" ck for 4-1/2 hrs & died. Rec 100 BTF. SIFN. Est 412 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>512</u>	Starting oil rec to date	<u>22</u>
Fluid lost/recovered today	<u>100</u>	Oil lost/recovered today	<u>6</u>
Ending fluid to be recovered	<u>412</u>	Cum oil recovered	<u>28</u>
IFL <u> </u> FFL <u> </u> FTP <u> </u>		Choke <u> </u> Final Fluid Rate <u> </u> Final oil cut <u> </u>	

STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac
Company: Halliburton
Procedure:
3000 gal pad
1000 gal w/1-5 PPG of 20/40 sd
8000 gal w/5-8 PPG of 20/40 sd
3444 gal w/8-10 PPG of 20/40 sd
Flush w/6064 gal of 10# linear gel

COSTS

Basin-rig	<u>665</u>
BOP	<u>145</u>
Tanks	<u>60</u>
HO trk	<u>615</u>
Frac	<u>18,070</u>
Flowback-super	<u>100</u>
IPC-supervision	<u>200</u>

Max TP	<u>2200</u>	Max Rate	<u>33</u>	Total fluid pmpd:	<u>512 bbls</u>
Avg TP	<u>1400</u>	Avg Rate	<u>32</u>	Total Prop pmpd:	<u>81,700#</u>
ISIP	<u>1912</u>	5 min	<u>1739</u>	10 min	<u> </u>
Completion Supervisor:	<u>Brad Mecham</u>				

DAILY COST:	<u>\$19,855</u>
TOTAL WELL COST:	<u>\$189,975</u>



DAILY COMPLETION REPORT

WELL NAME Boundary Federal 7-21 Report Date 11/12/96 Completion Day 8
Present Operation Perforate "C" & "D" Sand Rig Basin #6

WELL STATUS

Surf Csg: 8-5/8 @ 294 Liner 6.5 @ 6353 Prod Csg 5-1/2 @ 6353 Csg PBTD 6305
Tbg: Size 2-7/8 Wt 6.5 Grd LS Pkr/EOT @ BP/Sand PBTD: 5967

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	6124-30'	4/24	A	5877-79'	4/8
CP	6155-59'	4/16	A	5883-87'	4/16
CP	6162-69'	4/28	A	5889-95'	4/24
CP	6187-92'	4/20	A	5897-5904'	4/28
CP	6226-36'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/11/96 SITP: 0 SICP: 0
RU swb. IFL @ 5600', made 1 run, rec 2 BTF, FFL @ 5650'. TOH w/tbg. NU treesaver. RU Halliburton & frac "A" sd w/121,000# of 20/40 sd in 654 bbls of Boragel. Break dn @ 3284 psi. Treated @ ave rate of 24.8 bpm w/ave press of 3284 psi. ISIP: 2100 psi, 5 min: 1937 psi. Flowback on 12/64" ck for 5 hrs & died. Rec 194 BTF. SIFN. Est 730 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>272</u>	Starting oil rec to date	<u>28</u>
Fluid lost/recovered today	<u>458</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>730</u>	Cum oil recovered	<u>28</u>
IFL <u> </u> FFL <u> </u> FTP <u> </u>		Choke <u> </u> Final Fluid Rate <u> </u> Final oil cut <u> </u>	

STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac
Company: Halliburton
Procedure:
4000 gal pad
1000 gal w/1-5 PPG of 20/40 sd
14000 gal w/5-8 PPG of 20/40 sd
2684 gal w/8-10 PPG of 20/40 sd
Flush w/5789 gal of 10# linear gel

COSTS

Basin-rig	<u>495</u>
BOP	<u>145</u>
HO trk	<u>615</u>
Frac	<u>23,070</u>
Flowback-super	<u>100</u>
IPC-supervision	<u>200</u>

Max TP	<u>3284</u>	Max Rate	<u>25.3</u>	Total fluid pmpd:	<u>654 bbls</u>
Avg TP	<u>1850</u>	Avg Rate	<u>24.8</u>	Total Prop pmpd:	<u>121,000#</u>
ISIP	<u>2100</u>	5 min	<u>1937</u>	10 min	<u> </u>
Completion Supervisor:	<u>Brad Mecham</u>				

DAILY COST: \$24,625
TOTAL WELL COST: \$218,990



DAILY COMPLETION REPORT

WELL NAME Boundary Federal 7-21 Report Date 11/14/96 Completion Day 10
Present Operation Pull RBP's Rig Basin #6

WELL STATUS

Surf Csg: 8-5/8 @ 294 Liner @ Prod Csg 5-1/2 @ 6353 Csg PBTD 6305
Tbg: Size 2-7/8 Wt 6.5 Grd LS Pkr/EOT @ BP/Sand PBTD: 5967/5640

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	6124-30'	4/24	A	5889-95'	4/24
CP	6155-59'	4/16	A	5897-5904'	4/28
CP	6162-69'	4/28	C	5440-45'	4/20
CP	6187-92'	4/20	C	5456-60'	4/16
CP	6226-36'	4/40	C	5465-68'	4/12
A	5877-79'	4/8	C	5504-12'	4/32
A	5883-87'	4/16	D	5370-76'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/13/96 SITP: SICP 70

Blow gas off csg. RU swb. IFL @ 5000', made 2 runs, rec 7 BTF, FFL @ 5300'. TOH w/tbg. NU treesaver. RU Halliburton to frac "C" & "D" sd. Start pad, lost suction w/2085 gal into pad. Clean out pre-gel manifold. RU new hoses. Frac "C" & "D" sd w/96,800# of 20/40 sd in 582 bbls of Boragel. Break dn @ 2075 psi. Treated @ ave rate of 24.5 bpm w/ave press of 1400 psi. ISIP: 2385 psi, 5 min: 2350 psi. Flowback on 12/64" ck for 2-1/2 hrs & died. Rec 81 BTF. SIFN. Est 1096 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>602</u>	Starting oil rec to date	<u>28</u>
Fluid lost/recovered today	<u>494</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>1096</u>	Cum oil recovered	<u>28</u>
IFL <u> </u> FFL <u> </u> FTP <u> </u>		Choke <u> </u> Final Fluid Rate <u> </u> Final oil cut <u> </u>	

STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac
Company: Halliburton
Procedure:
2085 gal pad (pmpd approx. 3 hrs prior to continuing pad)
3000 gal pad
1000 gal w/1-5 PPG of 20/40 sd
10000 gal w/5-8 PPG of 20/40 sd
3076 gal w/8-10 PPG of 20/40 sd
Flush w/5287 gal of 10# linear gel

COSTS

Basin-rig	<u>1,010</u>
BOP	<u>145</u>
Tanks	<u>60</u>
HO trk	<u>615</u>
Frac	<u>20,050</u>
Flowback-super	<u>100</u>
IPC-supervision	<u>300</u>

Max TP	<u>2600</u>	Max Rate	<u>25.5</u>	Total fluid pmpd:	<u>582 bbls</u>
Avg TP	<u>1400</u>	Avg Rate	<u>24.5</u>	Total Prop pmpd:	<u>96,800#</u>
ISIP	<u>2385</u>	5 min	<u>2350</u>	10 min	<u> </u>

Completion Supervisor: Brad Mecham

DAILY COST:	<u>\$22,280</u>
TOTAL WELL COST:	<u>\$246,965</u>

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** **Set 509' plug from 5777'-6286' with 75 sxs Class "G" cement.**
2. **Plug #2** **Set 292' plug from 5270'-5562' with 30 sxs Class "G" cement.**
3. **Plug #3** **Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.**
4. **Plug #4** **Set 100' plug from 235'-335' (50' on either side of casing shoe) with 15 sxs Class "G" cement.**
5. **Plug #5** **Set 50' plug from surface with 10 sxs Class "G" cement.**
6. **Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 285' to surface.**

The approximate cost to plug and abandon this well is \$18,000.

Boundary #7-21

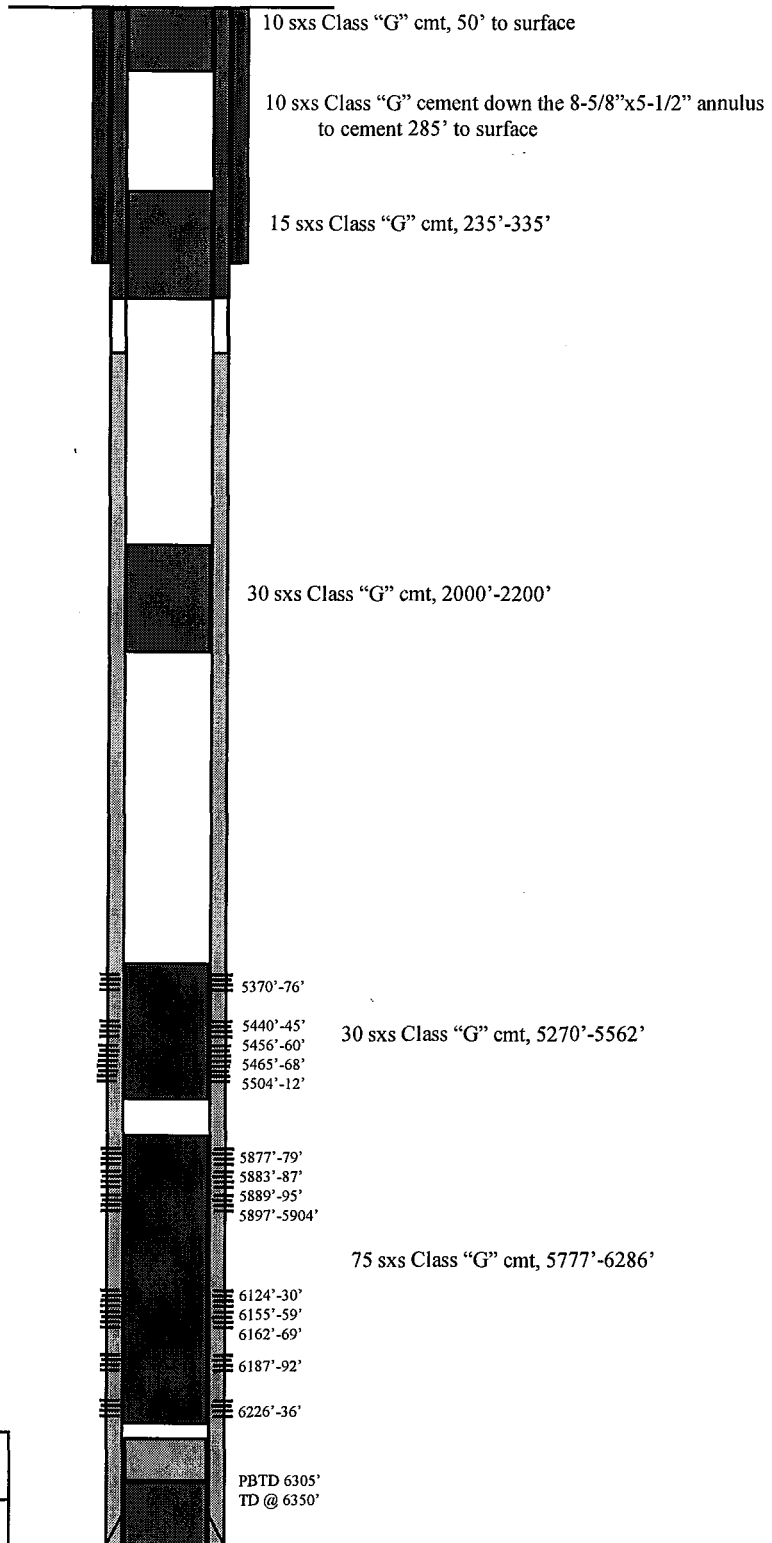
Spud Date: 10/16/96
Put on Production: 11/18/96
GL: 5208' KB: 5221'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (285.12')
DEPTH LANDED: 284.52' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 9 bbls to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts. (6355.30')
DEPTH LANDED: 6350' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 410 sk HiBond mixed & 450 sxs thixotropic
CEMENT TOP AT: 808' per CBL

Proposed Plugging
Diagram

Inland Resources Inc.

Boundary #7-21

1974 FNL 2111 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31640; Lease FEE: Roberts

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	01/30/97

OFFICE COPY

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL1R8200271
SCHEDULE	
START 01/30/97 END 01/30/97	
CUST. REF. NO.	
UIC-189	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
46 LINES 2.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	150.88
TOTAL COST	
150.88	

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-189
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE BOUNDARY FEDERAL 7-20, 9-20, 15-20, 5-21, 7-21 AND 9-21 WELLS LOCATED IN SECTIONS 20 AND 21, TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 wells, located in Sections 20 and 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures. The wells are located within the Boundary Waterflood Unit area (Cause No. 225-1) which was approved by the Board of Oil, Gas and Mining on August 4, 1992. Selective intervals in the Green River Formation as specified in the board order will be perforated for water injection. The maximum authorized injection pressure and rate will be determined by means of a step-rate test at the time of conversion.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 22nd day of January, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
R. J. Firth
Associate Director, Oil & Gas
1R820020

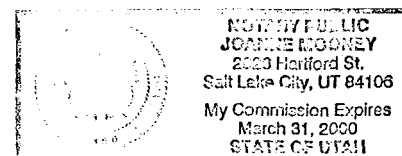
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 01/30/97 END 01/30/97

SIGNATURE Barry Moore

DATE 01/30/97



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-189
THE BOUNDARY FEDERAL 7-20,	:	
9-20, 15-20, 5-21, 7-21 AND 9-21	:	
WELLS LOCATED IN SECTIONS 20	:	
AND 21, TOWNSHIP 8 SOUTH,	:	
RANGE 17 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, AS	:	
CLASS II INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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Dated this 22nd day of January 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



R. J. Firth
Associate Director, Oil & Gas



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

January 22, 1997

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-189

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt
Secretary

Enclosure

**Inland Production Company
Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 Wells
Cause No. UIC-189**

Publication Notices were sent to the following:

Inland Production Company
P. O. Box 1446
Roosevelt, Utah 84066

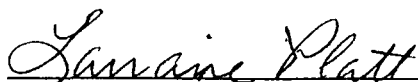
Inland Production Company
P.O. Box 790233
Vernal, Utah 84078

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466



Lorraine Platt

Secretary

January 22, 1997

Inland Resources Inc.
Greater Boundary Unit
Well List

Status as of March 27, 1998

*To: Lisa
From: Debbie*

*all of these
are 43-013-*

#12391 "Greater Boundary (GPRV) Unit"

Lease Name	Status	Operator	Twp	Rge	Sec	Spot	Accounting No.	API Code
BOUNDARY FEDERAL 7-203075000511NJ	INJ	INLAND	08S	17E	20	7.0	UMBOI001	30750 8407
BOUNDARY FED 11-21	INJ	INLAND	08S	17E	21	11.0	UMBOI002	30752 10630
BOUNDARY FEDERAL 15-21	INJ	INLAND	08S	17E	21	15.0	UMBOI003	31622 11924
BOUNDARY FEDERAL #10-20	P&A	N/A	08S	17E	20	10	#N/A	
TAR SANDS FEDERAL 12-28	P&A	INLAND	08S	17E	28	12.0	#N/A	
TAR SANDS FEDERAL #32-29	P&A	N/A	08S	17E	29	7	#N/A	
BOUNDARY FEDERAL 6-20	PDP	INLAND	08S	17E	20	6.0	UMBOP001	31626 11991
BOUNDARY FEDERAL 8-20	PDP	INLAND	08S	17E	20	8.0	#N/A	31993 12329
BOUNDARY FEDERAL 9-20	PDP	INLAND	08S	17E	20	9.0	UMBOP002	30690 8408
BOUNDARY FEDERAL 15-20	PDP	INLAND	08S	17E	20	15.0	UMBOP003	30667 8409
BOUNDARY 6-21	PDP	INLAND	08S	17E	21	6.0	UMBOP005	31889 1226
BOUNDARY 7-21	PDP	INLAND	08S	17E	21	7.0	UMZZP053	31640 1202
BOUNDARY 8-21	PDP	INLAND	08S	17E	21	8.0	UMZZP052	31557 11851
BOUNDARY FEDERAL 9-21	PDP	INLAND	08S	17E	21	9.0	UMBOP006	31542 11806
BOUNDARY FEDERAL 10-21	PDP	INLAND	08S	17E	21	10.0	UMBOP007	31532 11803
BOUNDARY FEDERAL 12-21	PDP	INLAND	08S	17E	21	12.0	UMBOP008	31440 11709
BOUNDARY FEDERAL 13-21	PDP	INLAND	08S	17E	21	13.0	UMBOW001	30665 2660
BOUNDARY FEDERAL 14-21	PDP	INLAND	08S	17E	21	14.0	UMBOP009	31441 11768
BOUNDARY FEDERAL 16-21	PDP	INLAND	08S	17E	21	16.0	UMBOP010	31627 11934
TAR SANDS FEDERAL 2-28	PDP	INLAND	08S	17E	28	2.0	UMZZP079	11937 31642
TAR SANDS FEDERAL 3-28	PDP	INLAND	08S	17E	28	3.0	UMZZP078	11923 31623
TAR SANDS FEDERAL 4-28	PDP	INLAND	08S	17E	28	4.0	UMZZP080	11938 31641
TAR SANDS FEDERAL 5-28 (I)	PDP	INLAND	08S	17E	28	5.0	UMZZP114	12171 31697
TAR SANDS FED 6-28	PDP	INLAND	08S	17E	28	6.0	UMZZP116	12241 31921
TAR SANDS FEDERAL 13-28	PDP	INLAND	08S	17E	28	13.0	UMZZP105	12176 31771
TAR SANDS FEDERAL 1-29	PDP	INLAND	08S	17E	29	1.0	UMZZP115	12168 31743
TAR SANDS FEDERAL 8-29	PDP	INLAND	08S	17E	29	8.0	UMZZP117	12242 31922
TAR SANDS FEDERAL 9-29	PDP	INLAND	08S	17E	29	9.0	#N/A	12281 31942
TAR SANDS FEDERAL 12-29	PDP	INLAND	08S	17E	29	12.0	UMZZP113	12261 31924
TAR SANDS FEDERAL 16-29	PDP	INLAND	08S	17E	29	16.0	UMZZP106	12212 31871
TAR SANDS FEDERAL 1-33	PDP	INLAND	08S	17E	33	1.0	UMZZP108	12265 31863
TAR SANDS FEDERAL 2-33	PDP	INLAND	08S	17E	33	2.0	UMZZP107	12271 31867
BOUNDARY FED 5-21	SI	INLAND	08S	17E	21	5.0	UMBOP004	30822 11162
FEDERAL 1-26	SI	INLAND	08S	17E	26	3.0	431162	4304731953 11227

Thanks for your help

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. N5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12391		**SEE ATTACHED**							5-1-98
WELL 1 COMMENTS: GREATER BOUNDARY (GRRV) UNIT EFF 5-1-98											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ENG. TECH

Title

6-26-98

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☐ Gas
Well

☒ Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1974 FNL 2111 FEL SW/NE Section 21, T08S R17E

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY 7-21

9. API Well No.

43-013-31640

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

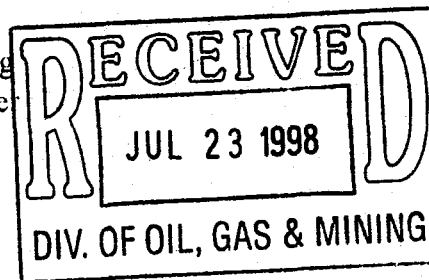
The above referenced well was converted from a producing oil well to a water injection well on 7-10-98. A mechanical integrity test was performed on 7-10-98. Casing was tested to 1100 psi for 1hr and 20 minutes - no pressure lost. DOGM and EPA were notified, but did not witness.

Attachments:

1. Daily Workover Report
2. Copy of Chart

APPROVED
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: _____



WTC
1-4-99
RSH

14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

7/20/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-189

Operator: Inland Production Company

Wells: Boundary Federal 7-21

Location: Section 21, Township 8 South, Range 17 East,
County: Duchesne

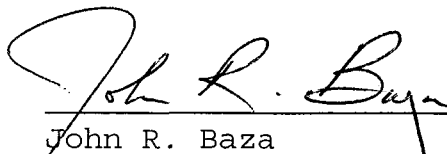
API No.: 43-013-31640

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 4, 1998
2. Maximum Allowable Injection Pressure: 1867 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Douglas Creek Member of the Green River Formation (5370 feet - 6236 feet)

Approved by:


John R. Baza

Associate Director, Oil And Gas

8/4/98
Date



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-189

Operator: Inland Production Company

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Location: Section 21, Township 8 South, Range 17 East,
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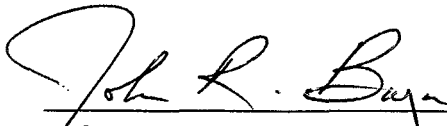
API No.: 43-013-31640

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 4, 1998
2. Maximum Allowable Injection Pressure: 1867 psig
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4. Injection Interval: Douglas Creek Member of the Green River Formation (5370 feet - 6236 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

8/4/98
Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 4, 1998

Inland Production Company
475 Seventeenth Street, Suite 1500
Denver, Colorado 80202

Re: Boundary Unit Wells: Boundary Federal #7-21 and Boundary Federal #9-21, Section 21, Township 8 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza

Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Boundary Fed. 7-21

Location: 21/8S/17E

API: 43-013-31640

A complete Statement of Basis was prepared for the Boundary Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

Ownership Issues: The proposed well is located on land owned by L. Clark Roberts. Lands in the one-half mile radius of the well are owned by the BLM, the State of Utah and L. Clark Roberts. Leases in the one-half mile radius are held by various individuals and companies. A list of the lease holders, surface owners and operators was submitted with the application. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent to convert the well to an injector.

Well Integrity: The proposed well has surface casing set at 285 feet and is cemented to surface. A 5 ½ inch production casing is set at 6350 feet and has a cement top at approximately 1100 feet. A cement bond log verifies adequate bond above the injection zone. A 2 7/8 inch tubing with a packer will be set at approximately 5330 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 300 feet. Numerous water flows have been encountered in the boundary unit during drilling operations. These flows have been at depths of approximately 95 feet and 195 feet. The quality of the water in these sands has been reported to be fresh. High quality ground water may be present in sands down through a depth of 300 feet. These sands are generally discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 5370 feet and 6236 feet in the Douglas Creek Member of the Green River Formation. The confining intervals above and below the injection zone consists of tight, moderately calcareous sandy lacustrine shale. Information submitted by Inland indicates that the minimum fracture gradient for the injection zone in the 7-21 well is .74 psig/ft. The resulting minimum fracture pressure over the proposed injection zone is 1867 psig. The requested maximum pressure was 1867 psi. Injection

at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: This well is located in the previously approved Boundary Unit. Correlative rights issues and other interests were addressed at the time the unit was approved. In review of the information submitted to the Board it appears that additional injection wells will increase ultimate recovery and will protect the interests of all owners.

Bonding: The well is located on Federal land and proper bonds are held by the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard (UIC-189). It is recommended that approval be granted to convert the well to injection. Approval should be granted in accordance with information submitted by Inland in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 5/6/98



Daily Workover Report

BOUNDARY 7-21

SW/NE Section 21, T08S R17E

DUCHESNE Co., Utah

API # 43-013-31640

Spud Date: 10/12/96

POP: 11/18/96

TD: 6350'

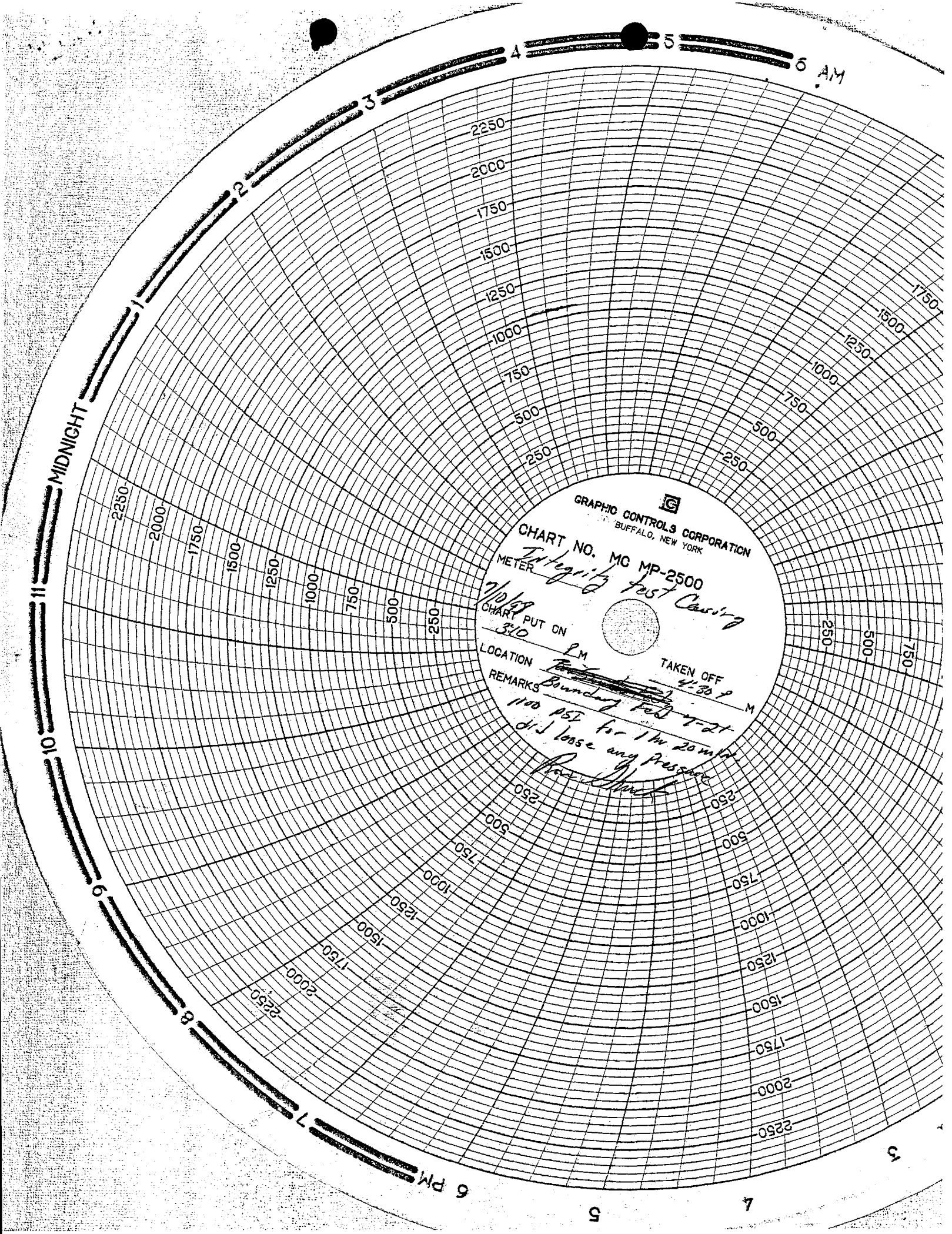
WO Rig: Flint #1455

7/10/98 PO: Injection Conversion. (Day 1)

Summary: 7/9/98 – TP: 45, CP: 45. MIRUSU. Pump 80 bbls production water down csg @ 270°. Test tbg to 1300 psi. Unseat pump. Flush tbg w/45 bbls water. TOH w/rods laying them down on trailer as follows – 1-1/2"x22' polished rod, 3 - 2', 1 - 4', 1 - 6' x 3/4" pony rods, 99 - 3/4" guided rods, 137 - 3/4" plain rods, 8 - 1" guided rods. Release TA. NU BOP. TOH w/tbg breaking every collar and applying liquid "O" ring to every pin. SIFN.
DC: \$4,700 TWC: \$4,700

7/11/98 PO: Injection Conversion. (Day 2)

Summary: 7/10/98 – TP: 0, CP: 0. TOH w/tbg. Break every collar and applying liquid "O" ring to every pin. Pick-up packer and SN. TIH w/170 jts tbg. Pump 60 bbls production water down casing @ 140°. Pump 60 bbls packer fluid. Set packer @ 5300' w/12,000# tension. Test csg and packer to 1100 psi w/40 bbls packer fluid. RDMOSU.
DC: \$7,800 TWC: \$12,500



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-2500
INTEGRITY Test Carving

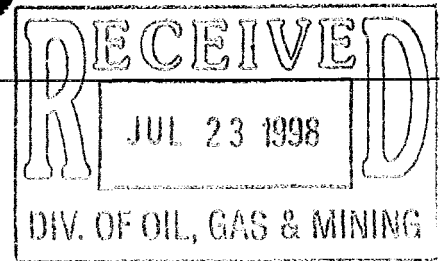
METER

7/10/69
3:10
CHART PUT ON

LOCATION PM

TAKEN OFF
4:30 P M

REMARKS
Boundary Test 7-21
1100 PSI for 1 hr 20 min
did lose any pressure
Randy Smith



July 20, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Injection Conversion
Boundary Federal #7-21
Boundary Unit
Section 21-T8S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, indicating the above referenced well has been converted to a water injection well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY 7-21

9. API Well No.

43-013-31640

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☐ Gas
Well

☒ Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1974 FNL 2111 FEL

SW/NE Section 21, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other **First Injection**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

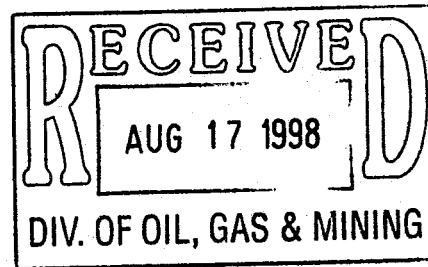
☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was put on injection 8-11-98.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

8/14/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

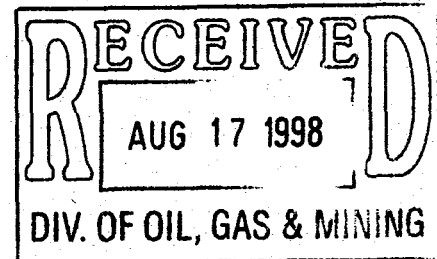
CC: UTAH DOGM



August 14, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Date of First Injection
Boundary Federal #7-21
Boundary Unit
Section 21-T8S-R17E
Duchesne County, Utah



Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, indicating the date of first injection for the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT..." for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. FEE	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
3. ADDRESS OF OPERATOR 410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102		8. FARM OR LEASE NAME BOUNDARY 7-21	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NE 1974 FNL 2111 FEL		9. WELL NO. 7-21	
		10. FIELD AND POOL, OR WILDCAT TREATY BOUNDARY	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NE Section 21, T08S R17E	
14. API NUMBER 43-013-31640	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5208 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Step-Rate Test</u>	<input checked="" type="checkbox"/>
(OTHER) _____		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On November 18, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Boundary Federal 7-21 injection well in the Greater Boundary Unit. Due to the results of the SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure to 1,415 psi on this well.

(Ch. 1867)

18 I hereby certify that the foregoing is true and correct			
SIGNED <u>Brad Mechem</u>	TITLE <u>Operations Manager</u>	DATE <u>11/18/99</u>	

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

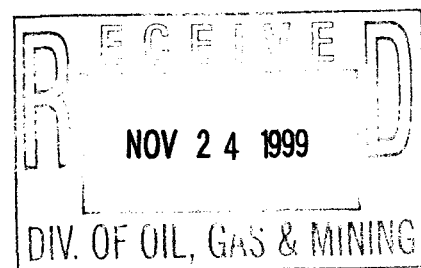
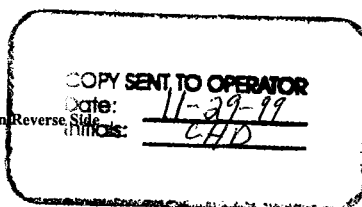
CONDITIONS OF APPROVAL ARE ANY

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11/29/99

By: [Signature]

* See Instructions On Reverse Side





November 19, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test
Boundary Federal #7-21

Dear Dan:

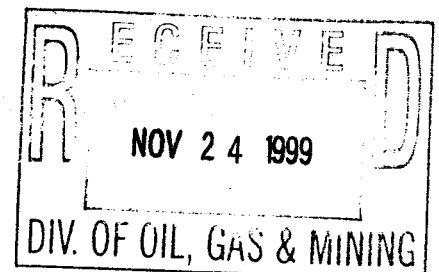
Please find enclosed Step-Rate Tests (SRT) results on the Boundary Federal #7-21 injection well in the Greater Boundary Unit. Inland Production Company conducted the SRT on November 18, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1,415 psi for this well.

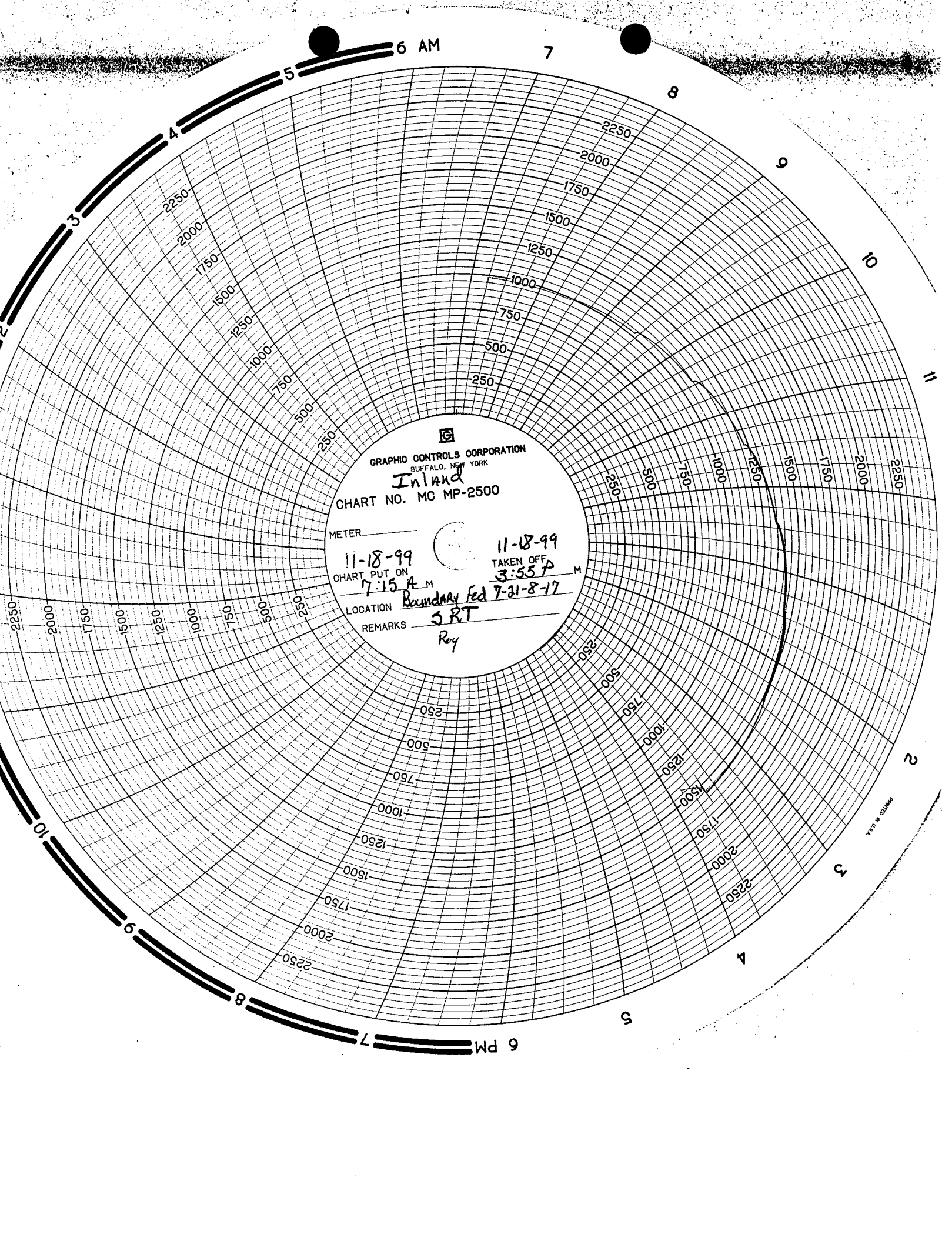
Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham
Operations Manager

/bm



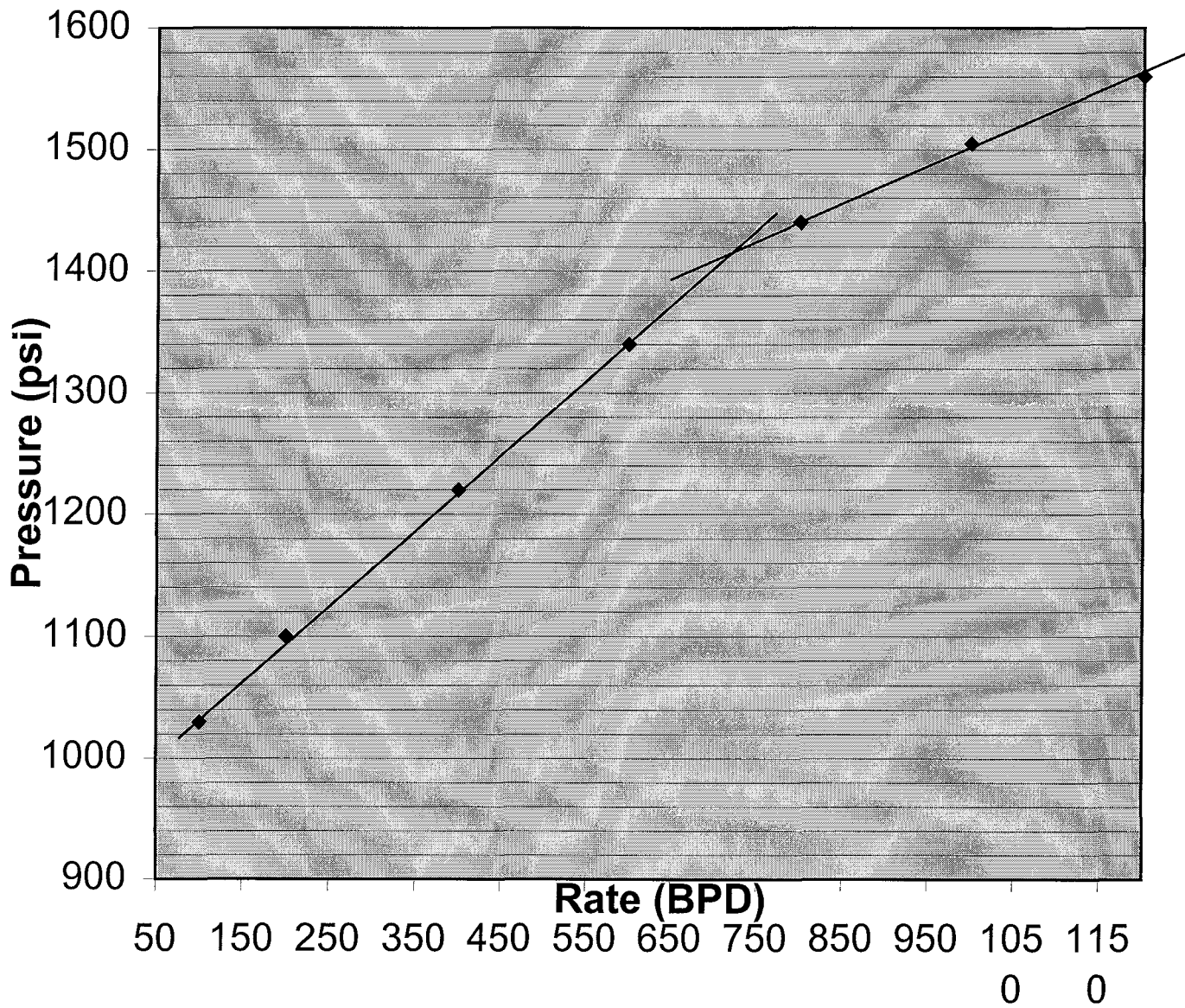


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
Inland
CHART NO. MC MP-2500

METER _____
11-18-99
CHART PUT ON 7:15 A M
TAKEN OFF 3:35 P M
LOCATION Boundary Fed 7-21-8-17
REMARKS SRT
Ray

PRINTED IN U.S.A.

BF 7-21
(G. Boundary Unit)
Step Rate Test
November 18, 1999



ISIP: 1,515 psi

Fracture pressure: 1,415 psi

FG: 0.699

Step	Rate(bpd)	Pressure(psi)
1	100	1030
2	200	1100
3	400	1220
4	600	1340
5	800	1440
6	1000	1505
7	1200	1560

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. FEE	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NE Section 21, T8S R17E 1974 FNL 2111 FEL		8. FARM OR LEASE NAME BOUNDARY 7-21	
14 API NUMBER 43-013-31640		9. WELL NO. BOUNDARY 7-21	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5208 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
12. COUNTY OR PARISH DUCHESNE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NE Section 21, T8S R17E	
13. STATE UT			
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> 5 Year MIT	
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* A 5 Year MIT was conducted on the subject well. On 6/11/03 Al Craver w/EPA was contacted of the intent to conduct a MIT on the casing. On 6/17/03 the casing was pressured to 1080 psi w/no pressure loss charted in the 1/2 hour test. No Governmental agencies were able to witness the test.			
18 I hereby certify that the foregoing is true and correct			
SIGNED <u>Krissha Russell</u> Krissha Russell		TITLE <u>Production Clerk</u> DATE <u>6/19/2003</u>	
cc: BLM			
(This space for Federal or State office use)			
APPROVED BY _____		TITLE _____ DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			

* See Instructions On Reverse Side

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JUN 20 2003
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 / 16 / 03
Test conducted by: BRET HENRIE
Others present: _____

Well Name: <u>BOUNDARY 7-21-B-17</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>GREATER BOUNDARY UNIT</u>		
Location: <u>SW/NE</u> Sec: <u>21</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>INLAND</u>		
Last MIT: <u>7 / 10 / 1998</u> Maximum Allowable Pressure: <u>1415</u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☒ Yes ☐ No If Yes, rate: 23 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1		Test #2		Test #3	
TUBING		PRESSURE					
Initial Pressure		<u>1395</u>	psig		psig		psig
End of test pressure		<u>1395</u>	psig		psig		psig
CASING / TUBING		ANNULUS		PRESSURE			
0 minutes		<u>1080</u>	psig		psig		psig
5 minutes		<u>1080</u>	psig		psig		psig
10 minutes		<u>1080</u>	psig		psig		psig
15 minutes		<u>1080</u>	psig		psig		psig
20 minutes		<u>1080</u>	psig		psig		psig
25 minutes		<u>1080</u>	psig		psig		psig
30 minutes		<u>1080</u>	psig		psig		psig
minutes			psig		psig		psig
minutes			psig		psig		psig
RESULT		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☒ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: _____ Date: / /

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why?

Possible violation identified? ☐ YES ☐ NO

If YES, what

If YES - followup initiated? ☐ YES

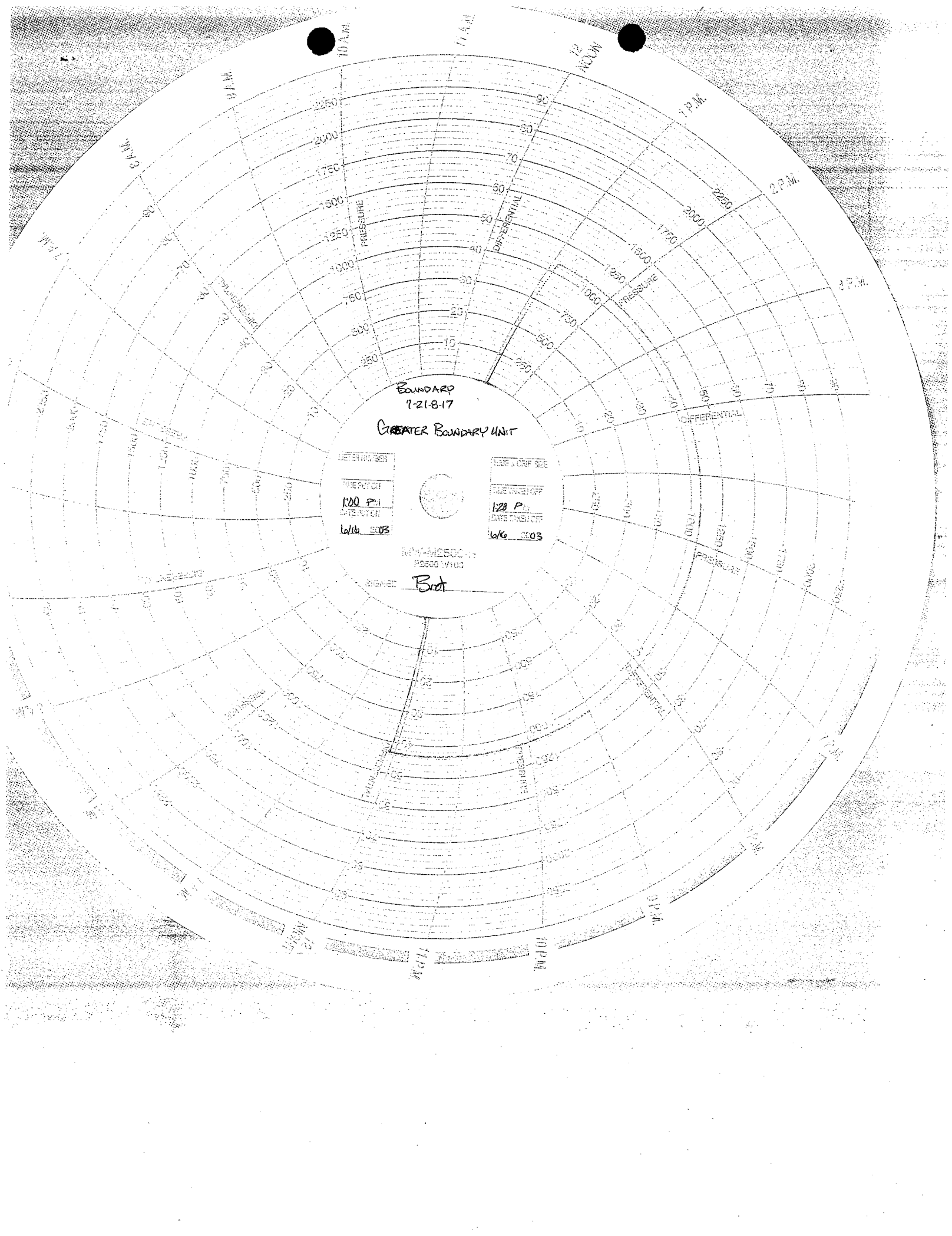
[] NO - why not?

[] Data Entry

☐ Compliance Staff

1 2nd Data Entry

☐ Hardcopy Filing



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1974 FNL 2111 FEL		8. WELL NAME and NUMBER: BOUNDARY 7-21
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301331640
6. QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NE, 21, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Duchesne
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/08/2004	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on September 8, 2004. Results from the test indicate that the fracture gradient is .740 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1550 psi.

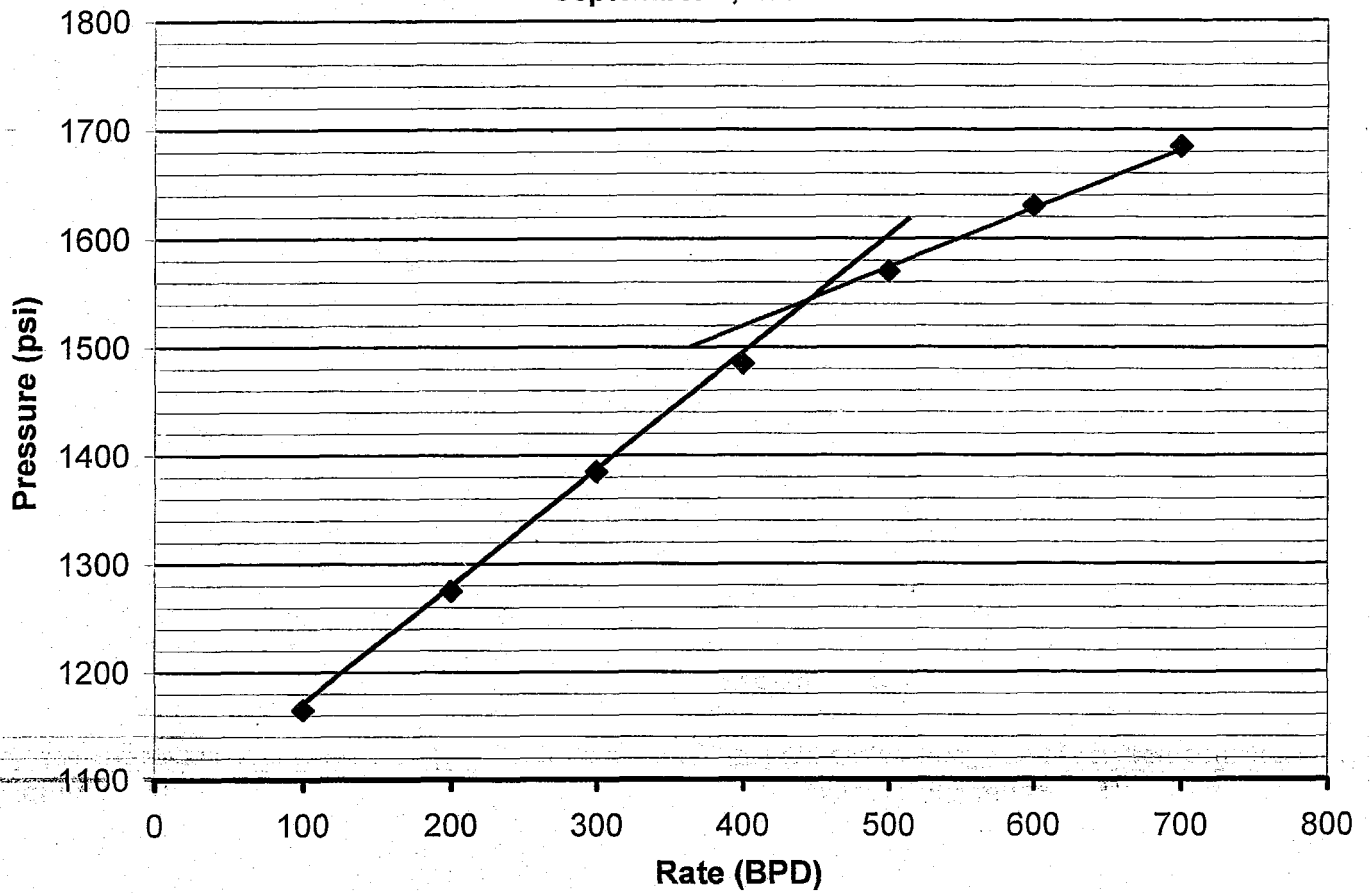
NAME (PLEASE) Mike Guinn	TITLE Vice President of Op
SIGNATURE 	DATE October 08, 2004

(This space for State use only)

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OCT 12 2004

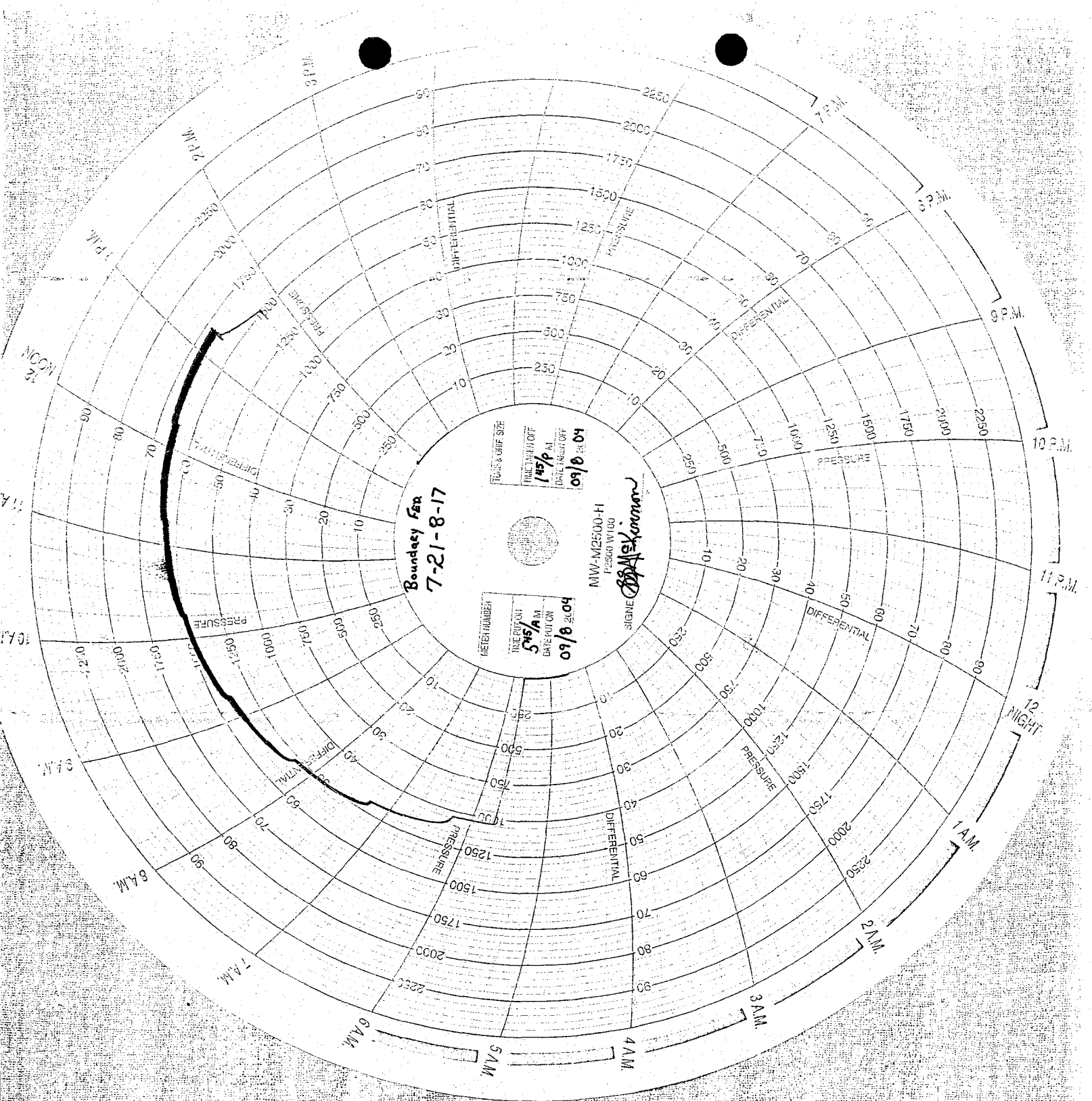
DIV. OF OIL, GAS & MINING

Boundary Federal 7-21-8-17
Greater Boundary Unit
Step Rate Test
September 8, 2004



Start Pressure: 1040 psi
Instantaneous Shut In Pressure (ISIP): 1645 psi
Top Perforation: 5370 feet
Fracture pressure (Pfp): 1550 psi
FG: 0.724 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1165
2	200	1275
3	300	1385
4	400	1485
5	500	1570
6	600	1630
7	700	1685





Office of the Secretary of State

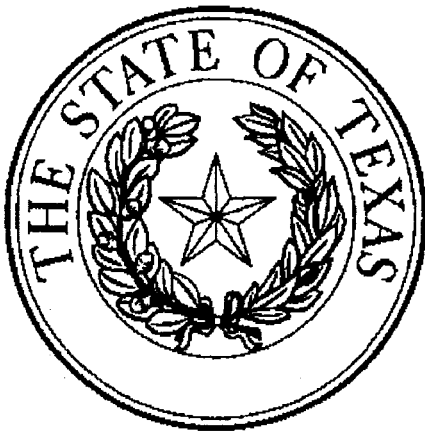
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: _____
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*
Title: *Perk Services Manager*

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.

Unit:

GREATER BOUNDARY (GR)

WELL(S)

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BOUNDARY FED 15-20	20	080S	170E	4301330667	12391	Federal	WI	A
BOUNDARY FED 9-20	20	080S	170E	4301330690	12391	Federal	WI	A
BOUNDARY FED 7-20	20	080S	170E	4301330750	12391	Federal	WI	A
BOUNDARY FED 6-20	20	080S	170E	4301331626	12391	Federal	OW	S
BOUNDARY FED 13-21	21	080S	170E	4301330665	12391	Federal	WI	A
BOUNDARY FED 11-21	21	080S	170E	4301330752	12391	Federal	WI	A
BOUNDARY FED 5-21	21	080S	170E	4301330822	12391	Federal	WI	A
BOUNDARY FED 12-21	21	080S	170E	4301331440	12391	Federal	OW	S
BOUNDARY FED 14-21	21	080S	170E	4301331441	12391	Federal	OW	P
BOUNDARY FED 10-21	21	080S	170E	4301331532	12391	Federal	OW	P
BOUNDARY FED 9-21	21	080S	170E	4301331542	12391	Federal	WI	A
BOUNDARY 8-21	21	080S	170E	4301331557	12391	Fee	OW	P
BOUNDARY FED 15-21	21	080S	170E	4301331622	12391	Federal	WI	A
BOUNDARY FED 16-21	21	080S	170E	4301331627	12391	Federal	OW	P
BOUNDARY 7-21	21	080S	170E	4301331640	12391	Fee	WI	A
TAR SANDS FED 3-28	28	080S	170E	4301331623	12391	Federal	WI	A
TAR SANDS FED 4-28	28	080S	170E	4301331641	12391	Federal	OW	P
TAR SANDS FED 2-28	28	080S	170E	4301331642	12391	Federal	OW	S
TAR SANDS FED 5-28 (I)	28	080S	170E	4301331697	12391	Federal	WI	A
GB FED 7-29R-8-17	29	080S	170E	4301330435		Federal	D	PA

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-50376
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1974 FNL 2111 FEL		8. WELL NAME and NUMBER: BOUNDARY 7-21
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 21, T8S, R17E		9. API NUMBER: 4301331640
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

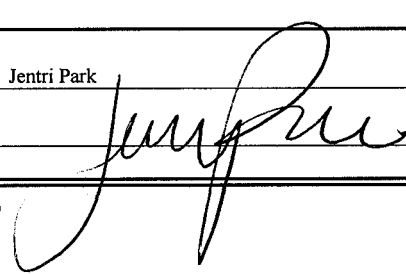
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/12/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 04/21/08 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 05/02/08. On 05/02/08 the csg was pressured up to 1180 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1500 psig during the test. There was not an EPA representative available to witness the test. EPA# 20702-04448 API# 43-013-31640.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE PRINT) Jentri Park	TITLE Production Tech
SIGNATURE 	DATE 05/12/2008

(This space for State use only)

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MAY 14 2008

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 05/02/08
Test conducted by: Dale Giles
Others present: _____

Well Name: <u>Boundary 7-21-8-17</u>		Type: ER SWD	Status: AC TA UC
Field: <u>Greater Boundary Unit</u>			
Location: _____	Sec: <u>21</u> T <u>8</u> N <u>10</u> R <u>17</u> E W	County: <u>Duchesne</u>	State: <u>Ut.</u>
Operator: <u>Newfield Production Co.</u>			
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1550</u>	PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 24 bpd

Pre-test casing/tubing annulus pressure: 0 psig

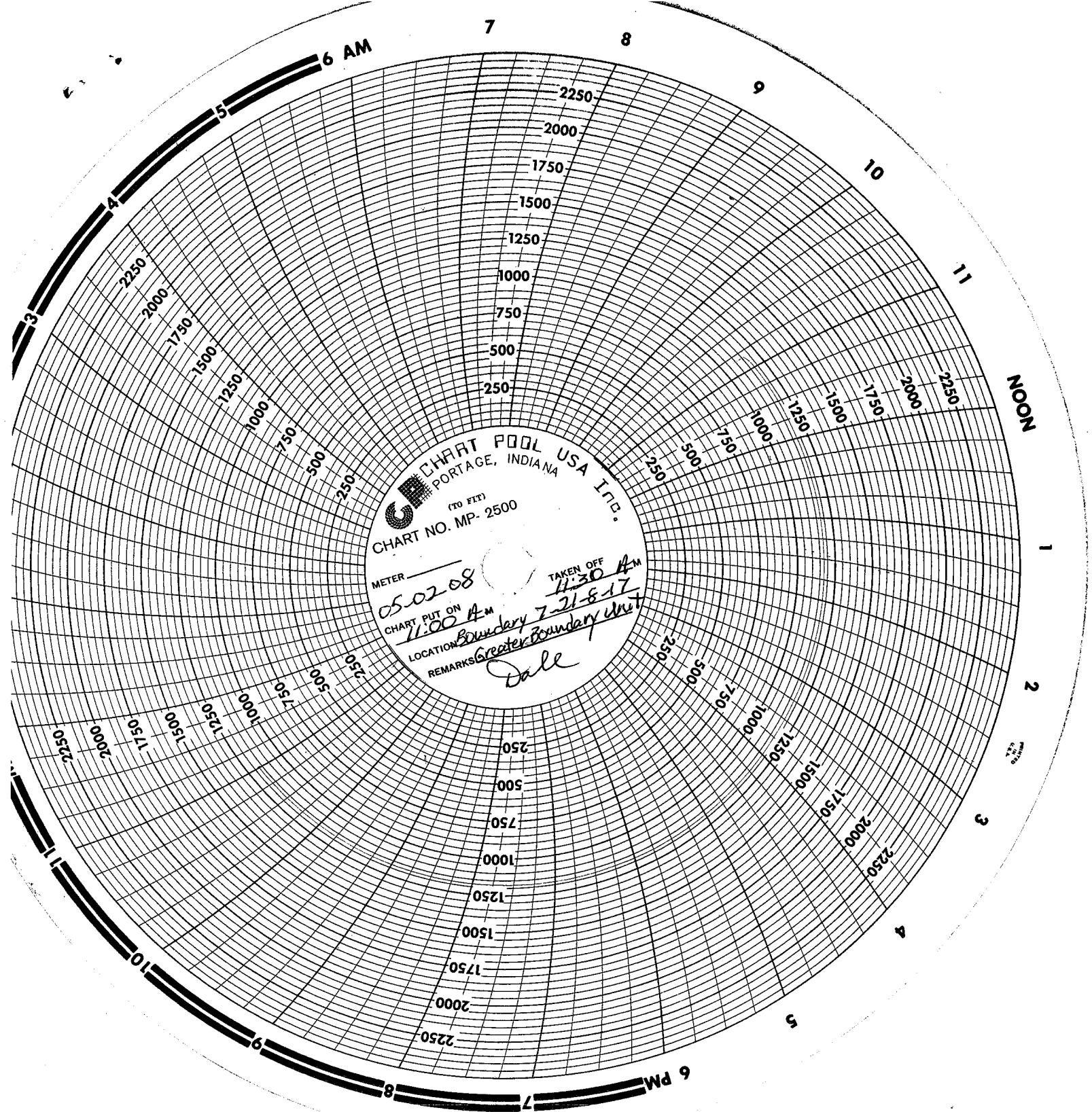
MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure	<u>1500</u> psig	psig	psig	psig
End of test pressure	<u>1500</u> psig	psig	psig	psig
CASING / TUBING		ANNULUS PRESSURE		
0 minutes	<u>1180</u> psig	psig	psig	psig
5 minutes	<u>1180</u> psig	psig	psig	psig
10 minutes	<u>1180</u> psig	psig	psig	psig
15 minutes	<u>1180</u> psig	psig	psig	psig
20 minutes	<u>1180</u> psig	psig	psig	psig
25 minutes	<u>1180</u> psig	psig	psig	psig
30 minutes	<u>1180</u> psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: BOUNDARY 7-21
PHONE NUMBER: 435 646-4825 Ext		9. API NUMBER: 43013316400000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1974 FNL 2111 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/15/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Step Rate Test"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A step rate test was conducted on the subject well on March 15, 2012. Results from the test indicate that the fracture gradient is 0.782 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1550 psi to 1835 psi. EPA: UT20702-04448		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 26, 2012		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 3/19/2012	

Step Rate Test (SRT) AnalysisDate: 03/16/2012

Operator:

Newfield Production Company

Well:

Boundary Federal 7-21

Permit #:

UT20702-04448**Enter the following data :**

Specific Gravity (sg) of injectate = 1.015 g/cc
 Depth to top perforation (D) = 5370 feet 5370
 Top of permitted injection zone depth (blank=use top perforation to calculate fg) = _____ feet
 Estimated Formation Parting Pressure (Pfp) from SRT chart = 1840 psi
 Instantaneous Shut In Pressure (ISIP) from SRT = 1851 psi 1840
 Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = _____ psi no downhole

Part One - Calculation of Fracture Gradient (fg)Calculated Fracture Gradient = 0.782 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1851

D = depth used = 5370

Pbhp used = 4200

Calculated Bottom Hole Parting Pressure (Pbhp) = 4200 psi

4200.088

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1840

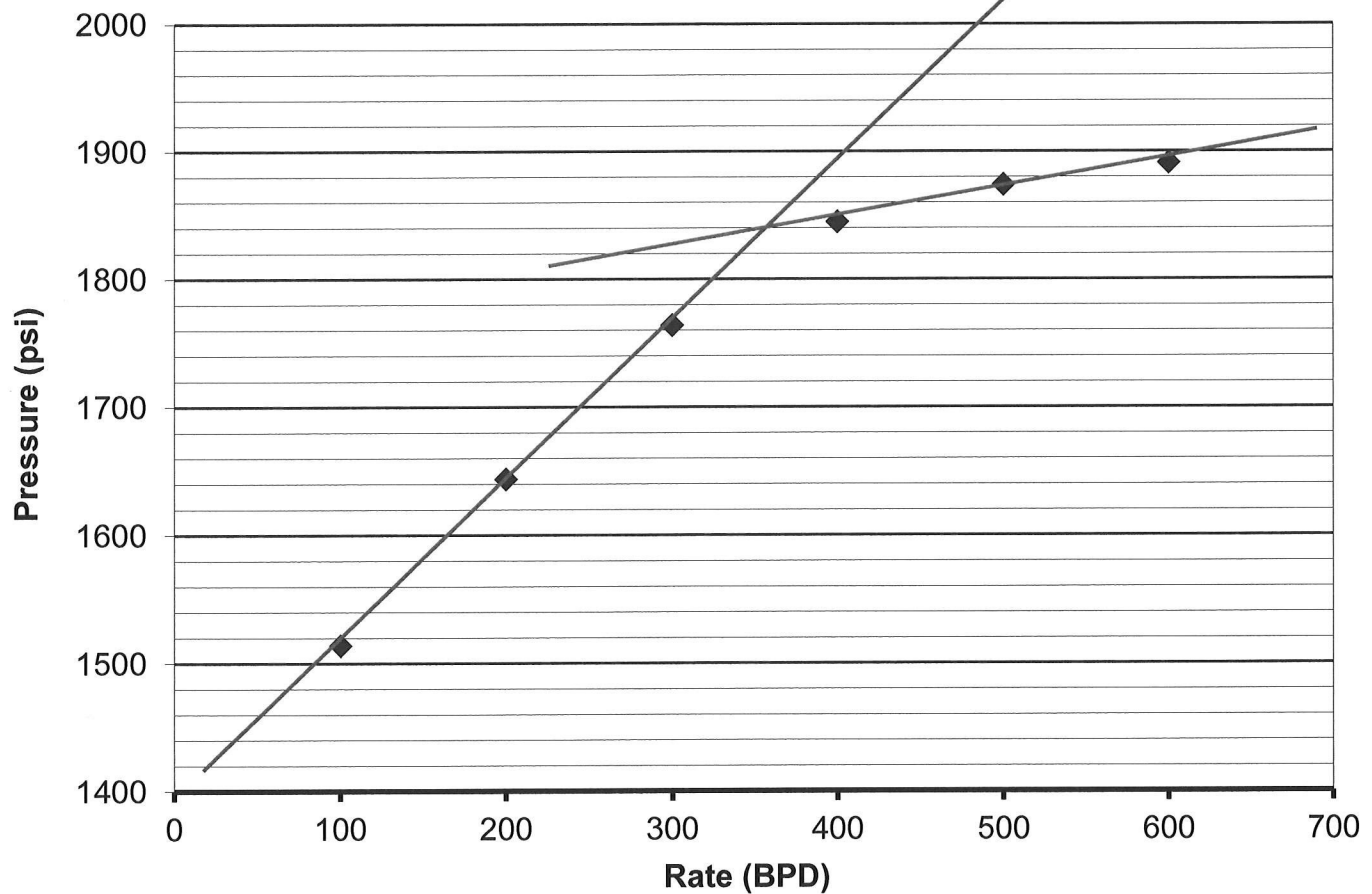
Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)Maximum Allowable Injection Pressure (MAIP) = 1835 psig

D = depth used = 5370

MAIP = [fg - (0.433 * SG)] * D = 1839.252

(rounded down to nearest 5 psig)

**Boundary Federal 7-21-8-17
Greater Monument Butte Unit
Step Rate Test
March 15, 2012**



Start Pressure: 1424 psi
Instantaneous Shut In Pressure (ISIP): 1851 psi
Top Perforation: 5370 feet
Fracture pressure (Pfp): 1840 psi
FG: 0.782 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1514
2	200	1644
3	300	1764
4	400	1845
5	500	1874
6	600	1891

Data Table Report

Report Name: PrTemp1000 Data Table
 Report Date: 03/16/2012 08:43:38
 File Name: C:\Program Files\PTC® Instruments 2.03.12\
 Boundary 7-21-8-17 SRT (3-15-2012).csv
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Mar 15, 2012 06:30:00 AM MDT
 Data End Date: Mar 15, 2012 01:00:00 PM MDT
 Reading: 1 to 79 of 79
 Reading Rate: 2 Seconds
 Last Calibration Date: Apr 12, 2011
 Next Calibration Date: Apr 12, 2012
 Next Calibration Date: Apr 12, 2012

Boundary Federal 7-21-8-17 SRT (3-15-2012)

Unit Type (All Units)
 Reading Date Time (MDT) Channel 2
 PSIA

1	Mar 15, 2012 06:30:00 AM	1423.8
2	Mar 15, 2012 06:35:00 AM	1423.6
3	Mar 15, 2012 06:40:00 AM	1423.8
4	Mar 15, 2012 06:45:00 AM	1424
5	Mar 15, 2012 06:50:00 AM	1423.8
6	Mar 15, 2012 06:55:00 AM	1423.4
7	Mar 15, 2012 07:00:00 AM	1423.8
8	Mar 15, 2012 07:05:00 AM	1482.2
9	Mar 15, 2012 07:10:00 AM	1488.2
10	Mar 15, 2012 07:15:00 AM	1491
11	Mar 15, 2012 07:20:00 AM	1496
12	Mar 15, 2012 07:25:00 AM	1500.4
13	Mar 15, 2012 07:30:00 AM	1503.2
14	Mar 15, 2012 07:35:00 AM	1505.4
15	Mar 15, 2012 07:40:00 AM	1507.4
16	Mar 15, 2012 07:45:00 AM	1509
17	Mar 15, 2012 07:50:00 AM	1511
18	Mar 15, 2012 07:54:59 AM	1512.2
19	Mar 15, 2012 07:59:59 AM	1514.2
20	Mar 15, 2012 08:04:59 AM	1563.2
21	Mar 15, 2012 08:10:00 AM	1588.8
22	Mar 15, 2012 08:15:00 AM	1598
23	Mar 15, 2012 08:20:00 AM	1608.6
24	Mar 15, 2012 08:25:00 AM	1616.4
25	Mar 15, 2012 08:29:59 AM	1621
26	Mar 15, 2012 08:35:00 AM	1625.2
27	Mar 15, 2012 08:40:00 AM	1628.8
28	Mar 15, 2012 08:45:00 AM	1632.8
29	Mar 15, 2012 08:50:00 AM	1636.6
30	Mar 15, 2012 08:55:00 AM	1638.2
31	Mar 15, 2012 09:00:00 AM	1643.6
32	Mar 15, 2012 09:05:00 AM	1677.2
33	Mar 15, 2012 09:10:00 AM	1694.6
34	Mar 15, 2012 09:15:00 AM	1705.2
35	Mar 15, 2012 09:19:59 AM	1715.2
36	Mar 15, 2012 09:24:59 AM	1725.2
37	Mar 15, 2012 09:29:59 AM	1732.2
38	Mar 15, 2012 09:35:00 AM	1735.6

Boundary Federal 7-21-8-17 SRT (3-15-2012)

Unit Type Reading	(All Units) DateTime (MDT)	Channel 2 PSIA
39	Mar 15, 2012 09:40:00 AM	1742
40	Mar 15, 2012 09:45:00 AM	1750
41	Mar 15, 2012 09:50:00 AM	1753.4
42	Mar 15, 2012 09:55:00 AM	1756
43	Mar 15, 2012 10:00:00 AM	1763.6
44	Mar 15, 2012 10:04:59 AM	1783.6
45	Mar 15, 2012 10:10:00 AM	1794.2
46	Mar 15, 2012 10:15:00 AM	1799.8
47	Mar 15, 2012 10:20:00 AM	1810.2
48	Mar 15, 2012 10:25:00 AM	1815.2
49	Mar 15, 2012 10:30:00 AM	1820.8
50	Mar 15, 2012 10:35:00 AM	1828.2
51	Mar 15, 2012 10:40:00 AM	1827.6
52	Mar 15, 2012 10:45:00 AM	1834.6
53	Mar 15, 2012 10:50:00 AM	1839.2
54	Mar 15, 2012 10:55:00 AM	1838.4
55	Mar 15, 2012 11:00:00 AM	1845.4
56	Mar 15, 2012 11:05:00 AM	1851.8
57	Mar 15, 2012 11:09:59 AM	1859
58	Mar 15, 2012 11:15:00 AM	1864.4
59	Mar 15, 2012 11:20:00 AM	1866
60	Mar 15, 2012 11:25:00 AM	1867.8
61	Mar 15, 2012 11:30:00 AM	1865.8
62	Mar 15, 2012 11:35:00 AM	1872
63	Mar 15, 2012 11:39:59 AM	1868
64	Mar 15, 2012 11:45:00 AM	1874.6
65	Mar 15, 2012 11:50:00 AM	1869.2
66	Mar 15, 2012 11:55:00 AM	1876.4
67	Mar 15, 2012 12:00:00 PM	1874
68	Mar 15, 2012 12:05:00 PM	1877.4
69	Mar 15, 2012 12:10:00 PM	1883.6
70	Mar 15, 2012 12:14:59 PM	1879
71	Mar 15, 2012 12:20:00 PM	1882.4
72	Mar 15, 2012 12:24:59 PM	1887.6
73	Mar 15, 2012 12:29:59 PM	1883
74	Mar 15, 2012 12:34:59 PM	1882.2
75	Mar 15, 2012 12:40:00 PM	1886
76	Mar 15, 2012 12:44:59 PM	1890.2
77	Mar 15, 2012 12:50:00 PM	1887.2
78	Mar 15, 2012 12:55:00 PM	1889.2
79	Mar 15, 2012 01:00:00 PM	1891

End of Report

Data Table Report

Report Name: PrTemp1000 Data Table
 Report Date: 03/16/2012 08:43:49
 File Name: C:\Program Files\PTC® Instruments 2.03.12\
 Boundary 7-21-8-17 ISIP (3-15-2012).csv
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Mar 15, 2012 01:00:11 PM MDT
 Data End Date: Mar 15, 2012 01:30:12 PM MDT
 Reading: 1 to 31 of 31
 Reading Rate: 2 Seconds
 Last Calibration Date: Apr 12, 2011
 Next Calibration Date: Apr 12, 2012
 Next Calibration Date: Apr 12, 2012

Boundary Federal 7-21-8-17 ISIP (3-15-2012)

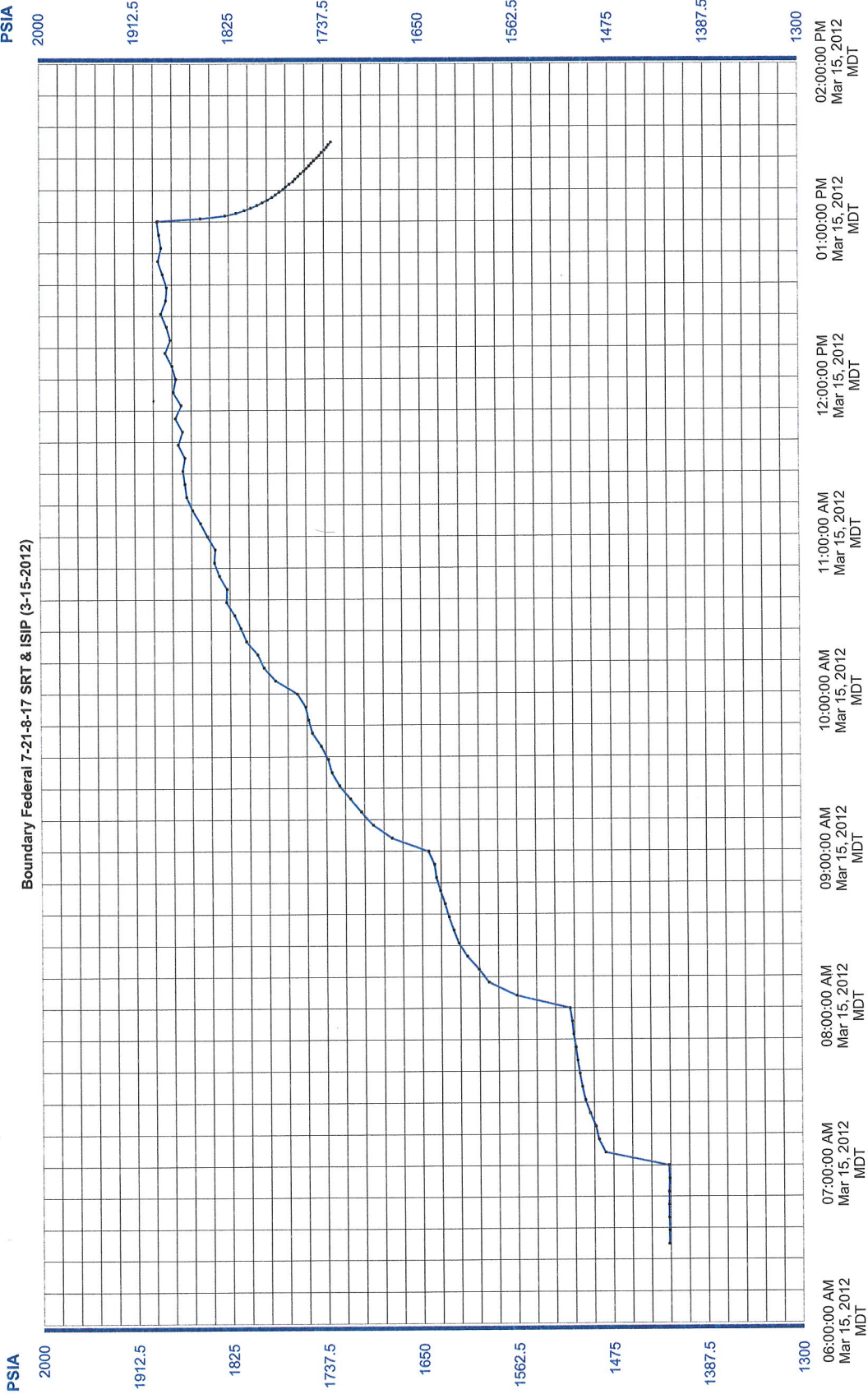
Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2
		PSIA

1	Mar 15, 2012 01:00:11 PM	1890.2
2	Mar 15, 2012 01:01:12 PM	1850.8
3	Mar 15, 2012 01:02:11 PM	1828.2
4	Mar 15, 2012 01:03:11 PM	1818
5	Mar 15, 2012 01:04:12 PM	1810.4
6	Mar 15, 2012 01:05:11 PM	1804.4
7	Mar 15, 2012 01:06:11 PM	1798.6
8	Mar 15, 2012 01:07:12 PM	1793.8
9	Mar 15, 2012 01:08:12 PM	1789
10	Mar 15, 2012 01:09:11 PM	1784.6
11	Mar 15, 2012 01:10:11 PM	1781.6
12	Mar 15, 2012 01:11:12 PM	1778.2
13	Mar 15, 2012 01:12:11 PM	1774.6
14	Mar 15, 2012 01:13:11 PM	1772.2
15	Mar 15, 2012 01:14:12 PM	1769
16	Mar 15, 2012 01:15:11 PM	1765.4
17	Mar 15, 2012 01:16:11 PM	1763.4
18	Mar 15, 2012 01:17:12 PM	1760.6
19	Mar 15, 2012 01:18:11 PM	1758.4
20	Mar 15, 2012 01:19:11 PM	1755.4
21	Mar 15, 2012 01:20:12 PM	1753
22	Mar 15, 2012 01:21:11 PM	1750.8
23	Mar 15, 2012 01:22:11 PM	1748.6
24	Mar 15, 2012 01:23:12 PM	1746.2
25	Mar 15, 2012 01:24:12 PM	1743.4
26	Mar 15, 2012 01:25:11 PM	1741.4
27	Mar 15, 2012 01:26:11 PM	1739.4
28	Mar 15, 2012 01:27:11 PM	1736.8
29	Mar 15, 2012 01:28:11 PM	1734.6
30	Mar 15, 2012 01:29:11 PM	1732.8
31	Mar 15, 2012 01:30:12 PM	1730.6

End of Report

Boundary Federal 7-21-8-17 Rate Sheet (3-15-12)

<i>Step # 1</i>	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	100.5	100.5	100.5	100.5	100.5	100.4
	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	100.4	100.4	100.4	100.3	100.3	100.3
<i>Step # 2</i>	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	200.6	200.6	200.6	200.6	200.5	200.5
	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	200.4	200.4	200.3	200.3	200.3	200.3
<i>Step # 3</i>	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	300.4	300.4	300.4	300.3	300.3	300.3
	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	300.3	300.3	300.2	300.2	300.2	300.1
<i>Step # 4</i>	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	400.8	400.8	400.8	400.7	400.7	400.7
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	400.7	400.6	400.6	400.5	400.5	400.5
<i>Step # 5</i>	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	500.5	500.5	500.4	500.4	500.4	500.3
	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	500.2	500.2	500.2	500.2	500.1	500.1
<i>Step # 6</i>	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	600.4	600.4	600.4	600.3	600.3	600.3
	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	600.2	600.2	600.2	600.1	600.1	600



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: BOUNDARY 7-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1974 FNL 2111 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013316400000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/1/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT on the above listed well. On 04/01/2013 the casing was pressured up to 1130 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbp pressure was 1530 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04448		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 10, 2013		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/3/2013	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 4/1/13Test conducted by: Dale Giles

Others present: _____

- 04448

Well Name: <u>Boundary Fed 7-21-8-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>SW/NE Sec. 21 T 8 N 17 E W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield production co.</u>		
Last MIT: <u>1/1</u>	Maximum Allowable Pressure: <u>1180</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
 Initial test for permit? ☐ Yes ☒ No
 Test after well rework? ☐ Yes ☒ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

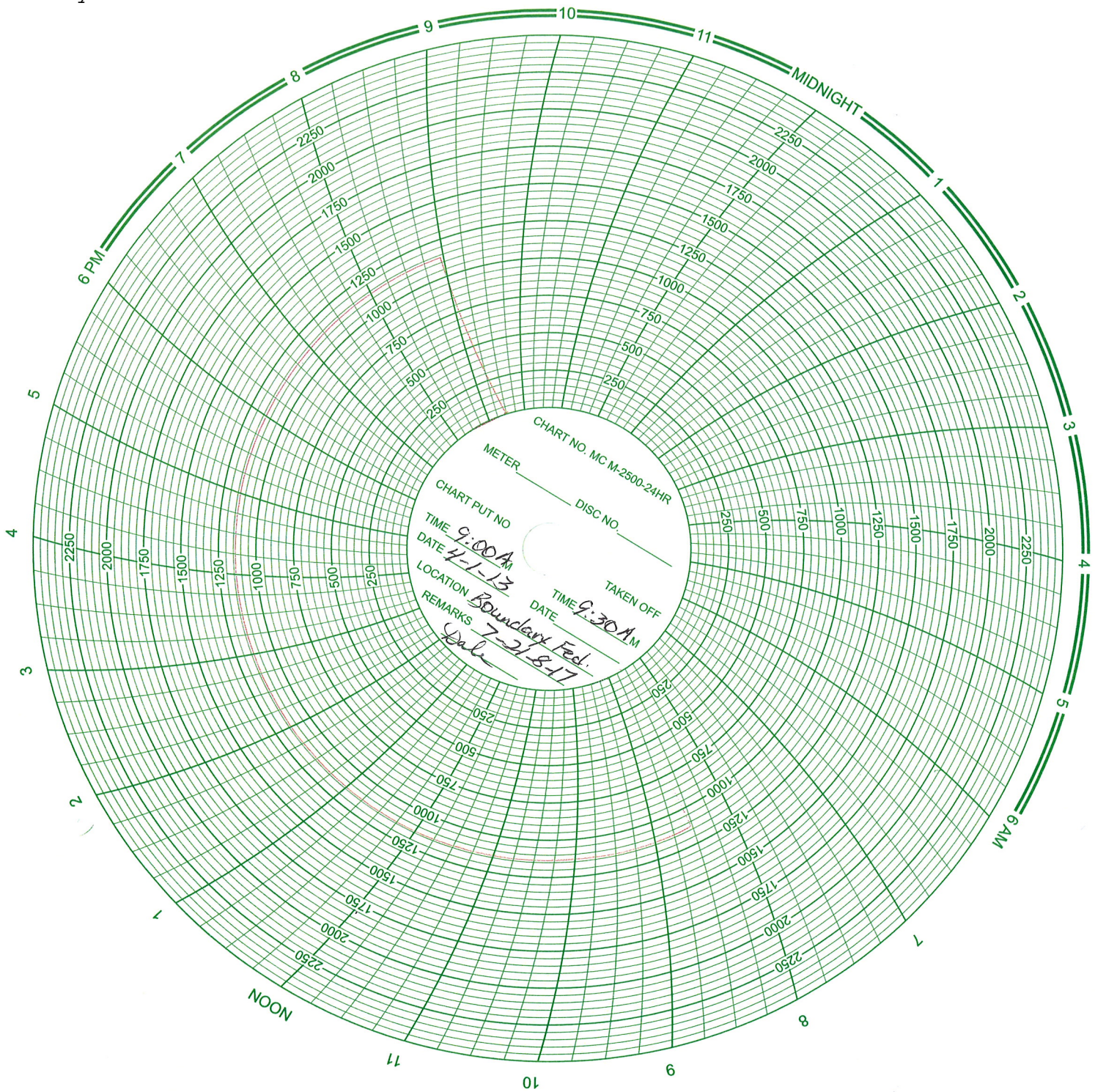
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1530</u> psig	psig	psig
End of test pressure	<u>1530</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1130</u> psig	psig	psig
5 minutes	<u>1130</u> psig	psig	psig
10 minutes	<u>1130</u> psig	psig	psig
15 minutes	<u>1130</u> psig	psig	psig
20 minutes	<u>1130</u> psig	psig	psig
25 minutes	<u>1130</u> psig	psig	psig
30 minutes	<u>1130</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



NEWFIELD



Schematic

43-013-31640

Well Name: Boundary 7-21-8-17

Surface Legal Location 21-8S-17E			API/UWI 43013316400000	Well RC 500150927	Lease	State/Province Utah	Field Name GMBU CTB7	County Duchesne
Spud Date	Rig Release Date	On Production Date 11/15/1996	Original KB Elevation (ft) 5,221	Ground Elevation (ft) 5,208	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 6,305.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Other	Secondary Job Type N/A	Job Start Date 4/1/2013	Job End Date 4/1/2013
---------------------------------------	---------------------------	---------------------------	----------------------------	--------------------------

TD: 6,350.0

Vertical - Original Hole, 3/2/2016 3:42:48 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)	
			DLS (°...		
13.1					
302.2					
303.1					
808.1					
5,291.3				2-1; Tubing; 2 7/8; 2,441; 13-5,291; 5,278.30	
5,292.7				2-2; Pump Seating Nipple; 2 7/8; 2,441; 5,291-5,292; 1.10	
5,299.9				2-3; Arrow Set 1 Packer; 5 1/2; 4,950; 5,292-5,300; 7.50	
5,370.1					
5,376.0					
5,440.0				Perforated; 5,370-5,445; 11/13/1996	
5,444.9					
5,877.0					
5,903.9				Perforated; 5,877-5,904; 11/11/1996	
6,124.0					
6,235.9				Perforated; 6,124-6,236; 11/8/1996	
6,305.1					
6,305.4					
6,305.8					
6,349.4					
6,350.1				2; Production; 5 1/2 in; 4,950 in; 13-6,350 ftKB; 6,336.87 ft	

NEWFIELD



Newfield Wellbore Diagram Data Boundary 7-21-8-17

Surface Legal Location 21-8S-17E		API/UWI 43013316400000		Lease	
County Duchesne	State/Province Utah	Basin		Field Name GMBU CTB7	
Well Start Date 10/16/1996		Spud Date		Final Rig Release Date 11/15/1996	
Original KB Elevation (ft) 5,221	Ground Elevation (ft) 5,208	Total Depth (ftKB) 6,350.0		Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) Original Hole - 6,305.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/12/1996	8 5/8	8.097	24.00	J-55	303
Production	10/22/1996	5 1/2	4.950	15.50	J-55	6,350

Cement

String: Surface, 303ftKB 10/13/1996

Cementing Company		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 303.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CC, 2% Gel 1/4#/sk flocele		Fluid Type Lead	Amount (sacks) 120	Class Premium cmt	Estimated Top (ftKB) 13.0

String: Production, 6,350ftKB 10/22/1996

Cementing Company		Top Depth (ftKB) 808.0	Bottom Depth (ftKB) 6,350.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description		Fluid Type Lead	Amount (sacks) 410	Class Hibond	Estimated Top (ftKB) 808.0
Fluid Description		Fluid Type Tail	Amount (sacks) 450	Class Thixo	Estimated Top (ftKB) 2,500.0

Tubing Strings

Tubing Description Tubing					Run Date 7/10/1998		Set Depth (ftKB) 5,300.0	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	170	2 7/8	2.441	6.50	J-55	5,278.30	13.1	5,291.4
Pump Seating Nipple	1	2 7/8	2.441			1.10	5,291.4	5,292.5
Arrow Set 1 Packer	1	5 1/2	4.950			7.50	5,292.5	5,300.0

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
3	C&D, Original Hole	5,370	5,445	4			11/13/1996
2	A, Original Hole	5,877	5,904	4			11/11/1996
1	CP, Original Hole	6,124	6,236	4			11/8/1996

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,912	0.76	33.0	2,200			
1	1,912	0.76	33.0	2,200			
1	1,912	0.76	33.0	2,200			
2	2,100	0.83	25.3	3,284			
2	2,100	0.83	25.3	3,284			
2	2,100	0.83	25.3	3,284			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 299500 lb
1		Proppant White Sand 299500 lb
1		Proppant White Sand 299500 lb
2		Proppant White Sand 299500 lb
2		Proppant White Sand 299500 lb
2		Proppant White Sand 299500 lb